



Program targets hazardous waste

By GAVIN WILSON

UBC is set to take a dramatically different approach to the treatment of hazardous waste.

Until recently, the focus was on finding the best way to dispose of such waste, said Randy Alexander, the newly hired manager of the university's hazardous waste program.

Now the emphasis will be on reducing the amount of waste produced in the first place.

"If you don't make it, you don't have to treat it," Alexander said.

Because UBC is a major research and educational institution, the production of hazardous waste is an unavoidable by-product of its day-to-day operations, Alexander said.

What the new program will focus on is reducing the amounts and types of hazardous material used on campus and encouraging substitution of reusable and less hazardous materials.

"This is a more global approach to hazardous waste handling," said Wayne Greene, director of Occupational Health and Safety.

"Traditionally, we dealt with the waste after the user was finished with it," he said. "Now we will ask the user: How much do you really need? Can you use a less dangerous alternative, or one that is less costly to dispose of?"

In his new position, Alexander's first step will be to identify the various waste streams and their origins. It is an enormous task at a campus of 40,000 people, but a job made easier by an earlier inventory conducted by Civil Engineering Professor Jim Atwater and Chemistry Professor Don McGreer.

Alexander will then set specific goals and targets for waste reduction, provide education and training in hazardous waste reduction options and help communicate successes in one department to others on campus.

"I believe we have the potential to be a showcase for sound hazardous waste management practices," he said. "We certainly do not believe it is acceptable to ship our waste to someone else's backyard."

The success of such a reduction program depends on the people who use the hazardous materials, and their willingness to adopt the waste reduction ethic, said Alexander.

"Everyone has to feel that pollution prevention is an important part of their job."

Currently, a facility on the south campus handles all the hazardous materials produced through the university's teaching and research activities.

Waste materials such as used oils and paint thinners are collected for recycling. Solvents and chemicals are sorted for off-site disposal. Bio-hazardous materials are required to be incinerated on-site.

Replacing the existing 20-year-old incinerator is also part of Alexander's job.

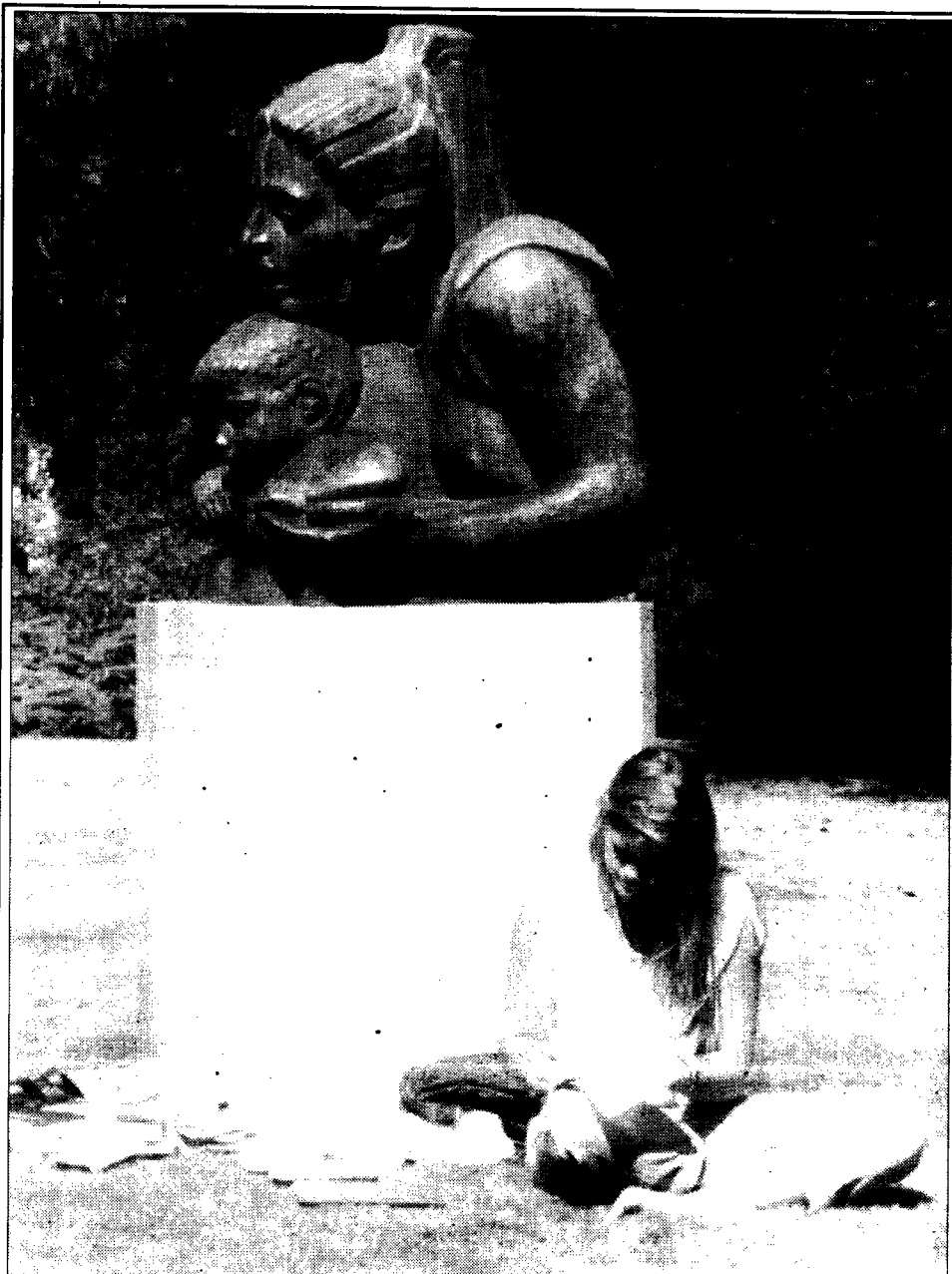
The university plans to replace it with a new \$6-million, state-of-the-art incinerator, and Alexander will be spearheading a public consultation program to discuss the merits of the proposal with the local community.

A new incinerator is the best alternative for the disposal of such wastes, he said. Other options, such as landfills, are not as environmentally sound.

"It's a problem nobody likes, but it's there and we have to deal with it," he said. "The university wants to be responsible for the hazardous wastes it generates."

Alexander will be asking for public input on hazardous waste management and will be seeking ongoing public involvement in policy issues and the operation of the incinerator.

See PUBLIC on Page 2



Keeping in touch

Photo by Charles Kerr

First-year Science student Amanda Dawson, shown here beside the statue "Mother and Child," takes time out during a hectic first week of classes to write home. Dawson is one of more than 1,500 new undergraduates from outside the province enrolled at UBC.

Women and law focus of new chair

By CONNIE FILLETTI

Challenging gender bias and sexual discrimination in the justice system is the focus of UBC's new academic chair in Women and the Law.

"Finally, women's rights are being recognized as important human rights issues," said

Lynn Smith, dean of UBC's Faculty of Law.

"Academic work on the justice system's and the law's treatment of women has been going on for decades, but is now leading to important social policy changes. Some of the most challenging theoretical work in law has stemmed from feminist approaches."

Risa Levine, a Vancouver lawyer and head of the fund-raising committee for the chair, described it as a trail-blazing activity in an area that has long needed attention.

"Current legal decisions are based on precedent which, historically, recognized women as property of their husbands and fathers," Levine said.

"A rich resource of legal scholarship needs to be developed which will provide the legal community, and the judiciary, with an intellectual framework which recognizes the right of women to be full and equal participants in every aspect of society."

Susan Boyd, who has written extensively on feminist perspectives and analyses of law, has been appointed visiting chair.

She received her legal education at Montreal's McGill University before studying European community law and international law at the University of Amsterdam and the University of London.

Boyd's appointment will focus the UBC Faculty of Law's activities in feminist legal scholar-

ship and foster interdisciplinary work, at the university, and in co-operation with other institutions throughout the province.

The \$1-million Chair in Women and the Law is a project of UBC's fund-raising campaign, A World of Opportunity.

Funding for the chair, being sought from private donations, law firms and lawyers, will be matched by funds from the provincial government.

For more information, call Risa Levine at 688-1262.



Smith

Former PM to receive Great Trekker Award

By ABE HEFTER

Former Canadian Prime Minister John Turner will be honored with the 1992 Great Trekker Award, given annually by the Alma Mater Society to a UBC graduate who has achieved eminence in his or her field.

Turner will receive the award Sept. 25 during a presentation ceremony in the party room of the Student Union Building from 5:30-7:30 p.m.

Past recipients of the Great Trekker Award include feminist writer and lecturer Rosemary Brown, author and broadcaster Pierre Berton, former Chief Justice of B.C. Nathan Nemetz, philanthropists Cecil and Ida Green and Rhodes Scholar Harry Warren. Winners are cited for their worthy contributions to the community and outstanding service to undergraduate students.

See CHICK on Page 2

Inside

THE SPIRIT RETURNS: The campus will be buzzing with activity next week as UBC hosts Homecoming Week. *Around & About, page 3*

A VOTE FOR CANADA?: Professor Emeritus of Economics Robert Clark sees the proposed constitutional referendum as an opportunity to cast a vote for national unity. *Forum, page 6*

EDUCATION PAYS: Judging from increasing enrolment in UBC's Executive Programs, companies are spending more on professional development, despite hard economic times. *Page 7*



Letters to the Editor

Tree fuss overblown

Editor:

What a lot of fuss over a tree! There are several more specimens of bigtree (*Sequoiadendron giganteum* (D. Don) Engl.) on campus anyway, for instance over at Totem residences, and in the East Mall boulevard near SUB. In fifty years time they'll be just as nice as the one at the library was — provided no one comes along and murders them with oxygen-excluding raised flower beds.

John Worrall
Forest Sciences
Faculty of Forestry



Photo by Gavin Wilson

New hazardous waste manager Randy Alexander, left, meets with Chemical Waste Processing facility manager Ron Aamodt, right, and driver Jack Green. Containers hold waste solvents.

Public input sought on new incinerator

Continued from Page 1

The public will also be welcome to visit an information room in the Occupational Health and Safety office to examine plans and reports on the new incinerator. Public meetings and open houses will follow.

The creation of Alexander's position was one of the recommendations contained in the 1989 report of the task force on hazardous waste management.

Alexander, a professional engineer, comes to UBC with 13 years experience

in the oil refining, nuclear and chemical manufacturing industries, where he was involved in the design, construction and development of large projects.

"We were looking for someone with experience dealing with environmental regulations, was familiar with monitoring programs, had the personality to deal with very diversified work groups, and was very sensitive to public issues," Greene said.

For more information on UBC's hazardous waste program, call Randy Alexander at 822-9527.

Advertise in UBC Reports

Deadline for paid advertisements for the October 1 issue is noon, September 22. For information or to place an ad, phone 822-3131

Buyers beware in tricky Vancouver housing market

By ABE HEFTER

With mortgage rates slipping to the six per cent mark for the first time in more than 30 years, you may be thinking of investing in a home.

Stuart Rosenthal, an assistant professor in the Faculty of Commerce and Business Administration says if that's the case, there are several factors that could affect your investment potential.

One of the biggest is mobility, said Rosenthal, and how long you plan to live in your new home.

"You have to realize that the transaction fees associated with purchasing a house, and subsequently selling it, are approximately 10 per cent," said Rosenthal.

"If you buy a home for \$400,000 and sell it a year or two later, you're looking at about \$40,000 total in real estate fees, legal fees, and provincial purchase tax. Chances are, your house isn't going to appreciate in value fast enough to keep pace with your related expenditures."

Rosenthal said potential home buyers who are considering settling into a "fixer-upper" with plans to renovate, face another set of circumstances that is fairly unique to the Vancouver housing market.

"From an investment perspective, you will not likely realize any financial return on the renovations you've made to your home," said Rosenthal.

"A small bungalow might have been fine on a piece of land in Vancouver's west side 40 or 50 years ago. However, in the last 20 years, property values in parts of this city have skyrocketed and the existing housing is simply out of date for the land it occupies."

Rosenthal said it's often less expensive to tear down and build a larger home from scratch. Purchasers in this position, who are moving into an area of high residential redevelopment, aren't willing to pay a premium for a home that has been renovated because it's going to come down, anyway.

In most North American cities, explained Rosenthal, buying a home that needs some work is a good idea, if you can't afford to move into your dream home right away. Over the years, you can increase the value of your home, which will translate into a higher resale value.

"That's just not the case in some parts of Vancouver, especially those adjacent to the downtown area," he said.

Low interest rates are also prompting renters to consider buying a home and, for many, qualifying for a mortgage is a key consideration.

Rosenthal is currently embarking on a study to see if people change their saving habits when they are putting money aside for a home, as opposed to other goods.

The project, supported by a grant from the Social Sciences and Humanities Research Council, will be conducted over the next two years.

United Way launches 1992 campus campaign

UBC's United Way effort kicks off today with organizers looking to raise \$280,000.

"We recognize that these are hard economic times and that we have to be realistic in setting our objectives," said UBC campaign chair Nestor Korchinsky. "At the same time, people also have to realize that there is a tremendous diversity of needs out there that have to be met."

"United Way gives people the chance to have a direct and positive impact on the lives of so many people of all ages in our community."

Last year's campaign, spearheaded by more than 300 faculty and staff volunteers, raised \$265,000 from about 1,700 employees.

Korchinsky added that the United Way is the only charity to which

contributions can be made through payroll deductions.

The system allows people to direct their money to one or more of the organization's 91 member agencies and 35 affiliated agencies. They can also choose to designate their money to non-affiliated charities.

Korchinsky emphasized that out of every dollar given to United Way, 97 cents goes to agencies and community services. Fund-raising costs are 11 cents on the dollar with eight cents of that being subsidized by a special United Way endowment fund.

The Lower Mainland campaign last year raised \$17 million.

UBC's campus campaign continues throughout October. Pledge cards and information pamphlets will be distributed to staff and faculty soon.



'Chick' returns to campus

Continued from Page 1

Turner was elected leader of the Liberal Party of Canada June 16, 1984 and sworn in as prime minister June 30. His party was defeated in the general election that September, but Turner was elected member of Parliament for the riding of Vancouver Quadra, a position he holds today.

Turner graduated from UBC with an-honors Bachelor of Arts in Political Science in 1949. An outstanding track and field athlete, he was the Canadian champion over 100 and 220 yards while at UBC.

He was also a widely read columnist during his days as sports editor of the *Ubyssy*, spinning many a sporting yarn under the banner: Chalk Talk with "Chick" Turner.

Turner attended Oxford University as a Rhodes Scholar and engaged in graduate studies in French civil law at the Sorbonne in Paris.



Photo courtesy UBC Archives

John Turner will receive Great Trekker award Sept. 25.

Turner held several different cabinet posts in the governments of Lester Pearson and Pierre Trudeau from 1965-1972.

He was first elected to the House of Commons in 1962 as an MP for Montreal-St. Lawrence-St. George and subsequently re-elected in the riding of Ottawa-

Carleton in the 1968 general election.

Turner is one of only three Canadians to represent three different provinces (Quebec, Ontario and B.C.) in the House of Commons.

Turner is currently a partner in the Toronto law firm of Miller Thomson.

Women's Safety Committee

Better lighting, more security urged for UBC

By **CONNIE FILLETTI**

Initial recommendations concerning safety programs and services at UBC have been submitted to the university by the President's Advisory Committee on Women's Safety on Campus.

"We have sought to profile the importance of safety for everyone, and for women in particular," said Florence Ledwitz-Rigby, the president's advisor on women and gender relations and chair of the committee.

The committee, formed last fall, based its recommendations on a review of several of UBC's safety programs and services, including exterior lighting systems and emergency communications.



Ledwitz-Rigby

The committee's recommendations include an increase in security personnel on patrol to ensure personal safety, enhanced security bus serv-

ice and improvements to UBC's existing lighting systems.

Recommendations are presented on an ongoing basis to the administration for consideration, Ledwitz-Rigby explained.

"The committee's review has sparked a great exchange of information between campus groups," she said.

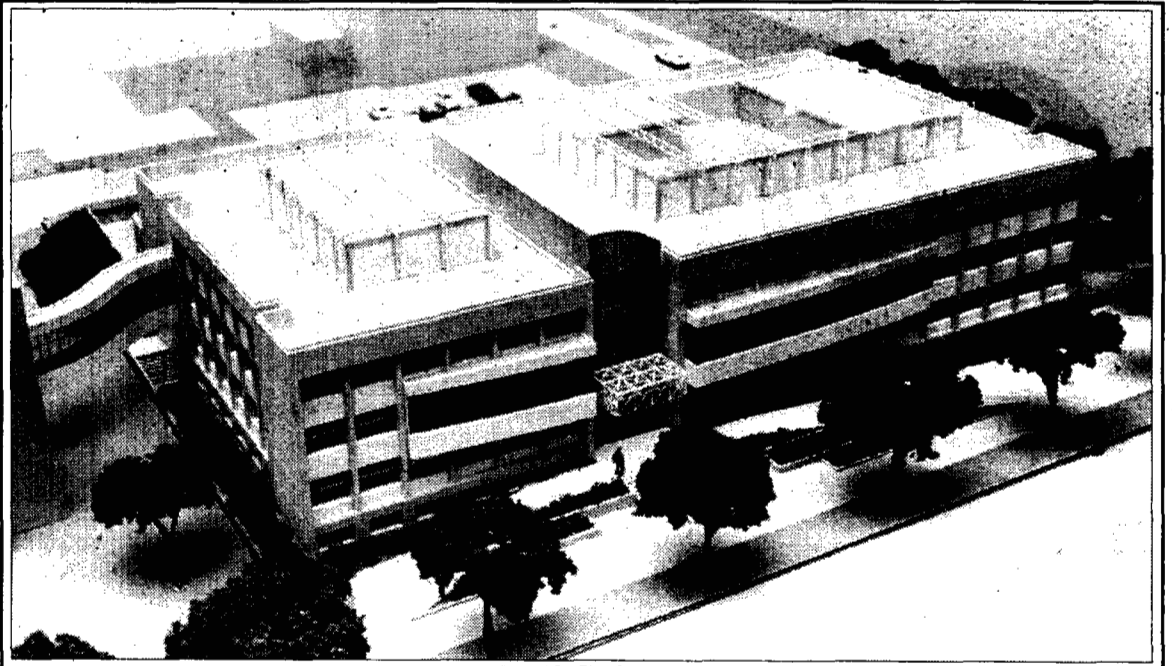
"We have learned about services geared to ensuring personal safety on campus, which many people at UBC probably don't know about."

One service Ledwitz-Rigby notes is that attendants in all major parking lots are equipped with mobile radios to summon help for anyone distressed about their personal safety.

She added that the attendants' presence in highly visible areas also acts as a deterrent.

At the committee's request, Parking and Security Services is preparing a brochure advertising security services available to the campus community.

Data on incidents affecting personal safety at UBC, compiled from various campus sources and the RCMP, is currently under review by the committee.



Hail CICSR

Architect's model shows the new Centre for Integrated Computer Systems Research/Computer Science Building now under construction on Main Mall. Designed by Chernoff Thompson Architects of Vancouver, the building is scheduled for completion in May, 1993.

Audit probes concerns for women's safety on campus

By **CONNIE FILLETTI**

A series of safety audits, initiated by the President's Advisory Committee on Women's Safety on Campus, is underway across the UBC campus.

Copies of the Women's Campus Safety Audit Guide have been distributed to each of the university's 87 department, area and building safety committees (DABS) to assist them with auditing their areas.

Produced by the Metro Action

Committee on Public Violence Against Women and Children, the audit guide contains a 14-point checklist designed to detect unsafe environments.

Included in the checklist are questions on lighting, signage, land use and escape routes.

"The audits are a timely response to concerns raised by individuals who had concerns about safety issues in the buildings they use," said Florence Ledwitz-Rigby, chair of the committee.

"Before recommending specific improvements for women's safety, the committee wanted to give all areas of campus an opportunity to make their concerns known."

Results of the safety audits will be compiled by Ledwitz-Rigby and made available to Campus Planning and Development, and other interested groups.

Anyone interested in volunteering to help conduct the safety audits should contact their DABS committee.

Around & About

Old and New at Homecoming '92

If it's September, campus must be gearing up for Homecoming Week.

This year's agenda includes a revamped Great Trekker Award ceremony, and the reappearance of a Homecoming dance. Plus, you can count on old favorites such as the Blue & Gold football game, the Arts '20 Relay, and the nearly-a-tradition (this is their third year) pancake breakfast and UBC anniversary cake.

Be sure to mark your calendars for the following events during the four-day celebration:

Homecoming Parade: Thursday, Sept. 24

Homecoming Week kicks off with a student parade, starting on Main Mall at 12:30 p.m. Floats entered by various undergraduate societies will wind their way around campus and congregate at the Student Union Building plaza where a \$500 prize will be awarded to the float exhibiting the "most spirited team entry."

The Great Trek Remembered: Thursday, Sept. 24

Graduates from the years 1916 to 1930 are invited to attend an Alumni Association luncheon at Cecil Green Park, to commemorate

some of the people and events that inspired the development of UBC.

During the luncheon, Economics Professor Emeritus Robert Clark will be presented with the Blythe Eagles Volunteer Service Award. This alumni award honors Prof. Clark for his ongoing support of and involvement with the university.

Great Trekker Award: Friday, Sept. 25

This year's recipient of the Alma Mater Society's top alumni award is John Turner, class of '49 and 17th prime minister of Canada.

The Great Trekker Award is presented annually by the AMS to a UBC graduate who has achieved eminence in his or her field, has made a special contribution to the community, and has demonstrated an especially keen and continued interest in UBC.

Turner joins an illustrious roster of Great Trekker Award winners, including his mother, Phyllis G. Ross, who was awarded it in 1954.

The award will be presented at a reception in the SUB party room, starting at 5:30 p.m. Tickets are available from the AMS Box Office. Following the reception, there will be a Homecoming dance in the Pit Pub, featuring live entertainment. Wear your blue & gold and UBC paraphernalia.

Blue & Gold Classic Football Game: Saturday, Sept. 26

The UBC T-Birds take on the University of Saskatchewan Huskies in the annual Homecoming game. This year, in order to encourage former students to come out to the game, anyone presenting evidence of having attended UBC — transcripts, student cards, graded assignments, parking tickets, virtually anything connected with student life — may bring said item to the ticket booth and receive free admission. "Ticket tellers will definitely be flexible," explains Don Wells, Sports Information Officer for the Dept. of Athletics.

Admission for current UBC students is free. Kick-off is set for 2 p.m. in Thunderbird Stadium. Go 'Birds!

Arts '20 Relay and Pancake Breakfast: Sunday, Sept. 27

As usual, the relay covers an 11.1-kilometre course from Vancouver General Hospital, where UBC's first classes were held in 1915, to the Point Grey campus. One of the largest university athletic events in Canada, with annual participation in the 1,500 to 2,000 range, the teams of eight runners race along 12th and 16th avenues

to the Great Trek cairn on Main Mall. Both university and community teams are welcome.

Following the relay, there will be a pancake breakfast and anniversary cake (UBC turns 77 on Sept. 30) on Main Mall above Sedgewick Library. Live entertainment and an awards ceremony will round out the morning's program.

For more information, call the Intramurals Office at 822-6000.

Homecoming Class Reunions

What would Homecoming be without the traditional class reunions? If you are a member of the following classes and would like to renew old friendships and catch up with all the news, why not plan to attend your reunion?

Class of '42: Members of the class will be arriving from Ontario, Manitoba, Alberta, California, Nebraska, Tennessee and, of course, from all over British Columbia. About 170 alumni and spouses plan to attend the dinner at the Faculty Club on Friday night where they will be entertained with the reminiscences of Charles Nash (former VP at BC Hydro, now active with Canadian Executive Service Overseas and with the University Hospital) and Lister Sinclair (play-

wright and host of CBC's Ideas). On Saturday, former Forestry Dean Joe Gardner and former History Professor Keith Ralston offer alumni a tour of the campus, followed by lunch at Cecil Green Park.

Class of '47 Applied Science: Sixty classmates will celebrate this 45th anniversary reunion over dinner on Friday at Cecil Green Park. Members are arriving from not only around Canada, but from New York and England as well. Other activities are planned for Saturday.

Class of '67 Rehabilitation Medicine: Following a tour of Rehab. Medicine, about 20 members of this small class will gather for dinner at the Faculty Club.

Arts One: All former students and the general public are invited to join the celebration of this program's 25th Anniversary. Guest speakers include Bob Brown, an Arts One pioneer, and journalist Robert Fulford. Activities include a panel discussion with former students, lunch and a reception at Cecil Green Park.

For more information on any of the above call the Alumni Association at 822-3313.

The spirit is coming home!

September 20 - October 3

SUNDAY, SEPT. 20

MOA Sunday Concert Series



Music Of Resistance: Kin-Lalat, Tito Medina, Marlin Ramazzini, Sandra Moran, Sara Galvez, Victor Pardo. Museum of Anthropology Great Hall at 2:30pm. Free with Museum admission. Call 822-5087.

MONDAY, SEPT. 21

Mechanical Engineering Seminar

Mechanical Engineering Design Courses/Methodology At Case Western Reserve University. Prof. M.L. Adams, Case Western Reserve U. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Applied Mathematics Colloquium

The Euler-Lagrange-Poincare Equations. Dr. Jerry Marsden, director, Fields Institute for Research in Mathematical Science, U. of Waterloo. Mathematics 203 at 3:45pm. Call 822-4584.

Protein Engineering Network Of Centres Of Excellence Seminar

NMR And Molecular Biology As Tools For Investigating Structures And Interactions Of Membrane-Associated Proteins. Prof. Chien Ho, Biological Sciences, Carnegie Mellon U., Pittsburgh, PA. IRC #1 from 3:45-5pm. Call Dr. Grant Mauk at 822-3719.

Astronomy Seminar



Low Mass Stars As-Dark Matter. Dr. Harvey Richer, Geophysics/Astronomy. Geophysics/Astronomy 260 at 4pm. Coffee at 3:30pm. Call 822-2267

TUESDAY, SEPT. 22

Centre For Research In Women's Studies Lecture Series

Women, Equity/Natural Resource Management. Dr. Anoja Wickramasinghe, assoc. prof., U. of Peradeniya, Sri Lanka. Family/Nutritional Sciences 50 at 12:30pm. Call 822-9171.

UBC Faculty and Staff Association... Please Recycle

CALENDAR DEADLINES

For events in the period October 4 to October 17, notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Tuesday, September 22, to the Community Relations Office, Room 207, 6328 Memorial Rd., Old Administration Building. For more information call 822-3131. The next edition of UBC Reports will be published October 1. Notices exceeding 35 words may be edited. The number of items for each faculty or department will be limited to four per issue.

Lectures In Modern Chemistry

Gas-Phase Organometallic Ion Chemistry. Dr. Peter B. Armentrout, Chemistry, U. of Utah, Salt Lake City. Chemistry South Block 250 at 1pm. Refreshments at 12:50pm. Call 822-3266.

Physics/Geophysics/Astronomy Colloquium

Pulsar Planets. Alex Wojszczyan, Pennsylvania State U. Hennings 201 at 4pm. Call 822-3853.

Psychology Colloquium

Does It Hurt? On Knowing Another's Pain. Dr. Ken Craig, Psychology. Kenny 2510 at 4pm. Call 822-2755.

Graduate/Faculty Christian Forum

Postmodernism/The Academic World. James Sire, author, editor, lecturer. Buchanan Penthouse at 4:15pm. Refreshments at 4pm. Call 224-0974.

Distinguished Artists Series

Lauren Wagner, soprano; Frederick Weldy, piano. Music Recital Hall at 8pm. Adults \$14, students/seniors \$7. Call 822-5574.

FRIDAY, SEPT. 25

Obstetrics/Gynaecology Grand Rounds

Ovarian Cancer. Dr. Tom Ehlen. University Hospital, Shaughnessy Site D308 at 8am. Call 875-3108.

Paediatrics Grand Rounds

The Radiology Of Complications Of Prematurity. Dr. Beverly P. Wood, radiologist-in-chief, Los Angeles Children's Hospital; prof. of Radiology/Paediatrics, vice-chairman of Radiology, U. of Southern California. G.F. Strong Auditorium at 9am. Call 875-2118.

Health Care/Epidemiology Grand Rounds

Does Money Buy Health? Conceptions/Misconceptions About The Determinants Of Health. Dr. David Hay, senior research associate, Social Planning/Research Council (SPARC). James Mather 253 from 9-10am. Call 822-2772.

Chemical Engineering Weekly Seminar

Effect Of Mechanical Energy On De-Inking Performance. Philip Viger, graduate student, Chemical Engineering. ChemEngineering 206 at 3:30pm. Call 822-3238.

SATURDAY, SEPT. 26

Vancouver Institute Saturday Night Lecture

Medicine/Biology: How Far Can The Law Go? The Honorable Mr. Justice Jean-Louis Baudouin, Quebec Court of Appeal, Montreal. IRC #2 at 8:15pm. Call 822-3131.

Arts One 25th Anniversary Celebration



Two Sessions on The State of Education in Hebb Theatre: Dr. Robert Rowan, Dr. Perry, Minister of Post-Secondary Education at 10am; Robert Fulford, Canadian journalist at 3pm. Box-Lunch in Buchanan Courtyard; reception at Cecil Green. Call Arts One Office at 822-3430.

MONDAY, SEPT. 28

Russian/Slavic Studies Seminar

Aspects of Cultural Misunderstanding: Ukrainian-Russian Religious/Literary Contacts In The Early Seventeenth Century. Dr. David Frick, assoc. prof, Slavic Languages/Literatures, U. of California, Berkeley, CA. Buchanan D114 at 12:30pm. Call 822-5137.

Mechanical Engineering Seminar

A Study Of The Flexible Space Platform Based Mobile Deployable Manipulator. Itshak Marom, PhD student. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Applied Mathematics Colloquium

Mathematical Modelling Of Frost Heave. Dr. A.C. Fowler, Oxford Centre for Industrial/Applied Mathematics, Mathematical Institute, Oxford U., U.K. Mathematics 203 at 3:45pm. Call 822-4584.

TUESDAY, SEPT. 29

Centre For Research In Women's Studies Lecture Series

Daddy's Girls: Father-Daughter Incest And Canadian Plays By Women. Dr. Jerry Wasserman, English. Family/Nutritional Sciences 50 at 12:30pm. Call 822-9171.

Medical Genetics Seminar



Domain Swapping And The Evolution Of A Family Of Proteases. Dr. Thor Borgford, assist. prof., Chemistry, SFU. IRC #3 from 4:30-5:30pm. Refreshments at 4:20pm. Call 822-5312.

MOA Identification Clinic

Identify/Conservation Advice. Museum Staff. Museum of Anthropology 217 from 7-8:30pm. Free with Museum admission. Call 822-5087.

WEDNESDAY, SEPT. 30

Orthopaedic Grand Rounds

Major Pelvic Resections For Sarcoma. Chair: Dr. Christopher P. Beauchamp. Speakers: Drs. Linda Mrkonjic, Alastair Younger, Rick Kendall. Eye Care Centre Auditorium at 7am. Call 875-4646.

Wednesday Noon Hour Concert Series

Eckhardt-Gramattee 1992 Music Competition Winner: Audrey Andrist, piano. Music Recital Hall at 12:30pm. Admission \$2. Call 822-5574.

Anatomy Seminar

The Regulation Of The Production Of Blood Cells, Steel Factor And The Roles Of Cytokines. Dr. John W. Schrader, Medicine. Friedman 37 from 12:30-1:30pm. Call 822-2059.

Germanic Studies Lecture

Kafka Across The Intertexts: On Authority In Translation. Prof. Patrick O'Neill, German Language/Literature, Queen's U. Buchanan D224 from 12:30-1:30pm. Call 822-5119/6403.

Geography Colloquium Series

Figuring Lefebvre: A Brief History Of Bodies And Spaces. Derek Gregory, Geography. Geography 201 from 3:30-5pm. Refreshments at 3:25pm. Call 822-5612.

Commerce Seminar

A Model Of Choice Set Composition Applied To Scanner Data. S. Sidarth, assist. prof., Commerce. Angus Penthouse from 4-5:30pm. Call 822-8314.

THURSDAY, OCT. 1

Music Concert

UBC Symphonic Wind Ensemble. Martin Berinbaum, conductor. Old Auditorium at 12:30pm. Free admission. Call 822-5574.

Physics Colloquium

Coulcomb Blockade In Quantum Dots. Chris Ford, Cavendish Lab, Cambridge. Hennings 201 at 4pm. Call 822-3853.

Psychology Colloquium

Escalation Of Excuses. Dr. Kathy Denton, Psychology. Kenny 2510 at 4pm. Call 822-2755.

FRIDAY, OCT. 2

Chemical Engineering Weekly Seminar

Chemical Sensing By Flow Injection Analysis: Rapid Answers To Real Problems. Dr. Adrian Wade, assist. prof., Chemistry, Faculty Associate of Paprican. ChemEngineering 206 at 3:30pm. Call 822-3238.

SATURDAY, OCT. 3

Vancouver Institute Saturday Night Lecture

The Archaeology Of A Vampire Or Digging Up Ancient Lesbos. Prof. E.H. Williams, Classics. IRC #2 at 8:15pm. Call 822-3131.

MOA Family Story Hour

Stories Of Resistance. Gonzalo Canton, Chilean actor, writer, journalist. Museum of Anthropology Rotunda at 1pm. Free with Museum admission. Call 822-5087.

September 20 - October 3

Free Forum

President's Series On The Future Of Canada: The Constitutional Referendum. With UBC faculty, government representatives and others. Bring lunch; coffee provided. Curtis 102 from 8:30am-4:30pm. Doors open at 8am. Call 222-5272.

Giant Deer Antlers Fossil Exhibit



Survival of the fittest or evolution gone wild? View the M.Y. Williams Geological Museum's giant deer antlers fossil exhibit. Weekdays, 9am-5pm. Sat., 10am-5pm. Collectable Earth specimen shop open weekday afternoons plus Saturday. Free admission. Call 822-5586.

Computer Applications For ESL

Learn about microcomputers or WordPerfect 5.0 and improve your English language skills at the same time. Call 222-5208.

Heart/Lung Response Study

At rest and during exercise. Volunteers aged 35 years and more and of all fitness levels required. No maximal testing; scheduled at your convenience. Call Marijke Dallimore, School of Rehab. Medicine, 822-7708.

Fitness Appraisal



Administered by Physical Education and Recreation through the John M. Buchanan Fitness and Research Centre. Students \$25, others \$30. Call 822-4356.

NOTICES

Rhodes Scholarships

Application forms for 1993 are now available in the UBC Awards Office. Deadline for completed applications is Oct. 23, 1992.

Frederic Wood Theatre Performance



Translations by Brian Friel, directed by Stephen Malloy. FWT Theatre, Sept. 24 - Oct. 3 at 8pm. Adults \$10, students/seniors \$7. Preview, Wed. Sept. 23, 2 for \$10. See FWT Room 207 or call 822-2678.

Museum Of Anthropology The Transforming Image

An opportunity to talk with Bill McLennan and First Nations artists about traditional Northwest Coast paintings and the infrared photography reclamation process. Free with Museum admission. Tuesdays Sept. 22 and 29 in MOA's Gallery 5 at 7:30 pm. Call 822-5087.

Fine Arts Gallery

Open Tues.-Fri. from 10am-5pm. Saturdays 12-5pm. Free admission. Main Library. Call 822-2759.

Executive Programmes

Business seminars. Sept. 24-25: Financial Management for Non-Financial Managers: \$595. Sept. 28-30: Project Management Process: \$950. Sept. 30-Oct. 1: Transportation Management Forum on Alcohol and Drug Abuse: \$695. Call 822-8400.

Language Conversation Classes

French, Spanish, Japanese, Mandarin and Cantonese Conversation Classes. Ten-week sessions, Tuesday or Thursday evenings or Saturday mornings, start September 28. Spanish Immersion Program in Cuernavaca, Mexico, March 1-19, 1993. Call 222-5227.

Professional Development For Language Teachers

Four-part Saturday morning series on Managing the Language Classroom and evening workshops including Teaching in the Pacific Rim, Oct. 13-Nov. 24. Call 222-5208.

ESL Evening Classes

Ten courses include Conversation skills, Speaking Skills for Seminars/Meetings, Basic Writing/Grammar, Advanced Composition, TOEFL Preparation. Start dates: Sept. 28/29; classes: twice a week. Call 222-5208.

Sexual Harassment Office

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

Statistical Consulting/ 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 Ponderosa Annex C-210. Call 822-4037.

Diet Composition/Muscle Function Study

Healthy, non-smoking, sedentary males, 18-35 years needed for 2 testing periods, 10-12 days each. Metabolic rate, body composition and muscle function tested. All meals provided; must be consumed at Family/Nutritional Sciences Building. Call 822-2266.

High Blood Pressure Clinic



Adult volunteers needed to participate in drug treatment studies. Call Dr. J. Wright in Medicine at 822-7134 or RN Marion Barker at 822-7192.

Drug Research Study

Male and female volunteers required for Genital Herpes Treatment Study. Sponsoring physician: Dr. Stephen Sacks, Medicine/Infectious Diseases. Call 822-7565.

Memory Study

Interested participants ages 18-75 invited to test as part of a study on self-rated and objective memory testing. Call Dina at 822-7883.

Retirement Study



Women concerned about retirement planning needed for an 8-week Retirement Preparation seminar. Call Sara Comish in Counselling Psychology at 931-5052.

Jock Itch Study

Volunteers 18-65 years of age are needed to attend 5 visits over an 8-week period. Honorarium: \$100 to be paid upon completion. Call Dermatology at 874-6181.

Stress/Blood Pressure Study

Learn how your body responds to stress. Call Dr. Wolfgang Linden in Psychology at 822-3800.

Surplus Equipment Recycling Facility (SERF)

Disposal of all surplus items. Currently offering apartment size, working refrigerators for \$50. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Rich at 822-2813/2582.

Faculty/Staff Non-Contact Hockey

Faculty/staff members over 50 years of age and interested in playing recreational, non-contact hockey are invited to come to the UBC arena on Monday evenings from 5:15-6:30pm. Call Lew Robinson at 224-4784.

Late Afternoon Curling

Space available at Thunderbird Winter Sports Centre from 5-7:15pm. Beginners and experienced curlers welcome. Phone Alex at 738-7698 or Paul (evenings) at 224-0835.

Pacific Spirit Regional Park Programs

Autumn program brochures are now available for all-ages as well as children's recreational/nature-study outings. Pick up from the Park Centre at 16th, west of Blanca or the GVRD main office in Burnaby. Call 432-6350.

Botanical Garden

Open daily from 10am-6pm. Free admission Wednesday. Call 822-4208.

Nitobe Garden

Open daily from 10am-6pm. Free admission Wednesday. Call 822-6038.

Bellward, Myers named to council

By GAVIN WILSON

Two UBC faculty members have been appointed to the Science Council of British Columbia.

Gail Bellward, a professor in the Faculty of Pharmaceutical Sciences, and Judith Myers, associate dean of Science for promotion of women, are among six new members of the council appointed by Tom Perry, minister of Advanced Education, Training and Technology.

Other new appointees include UBC alumni Suezone Chow, of Canadian Forest Products Ltd., and Alan Pelman of Powertech Labs Inc. Also appointed were Kathy Pomeroy of Pomeroy and Neil Consulting, and Pam Sallaway of PAMAP Graphics Ltd.



Bellward

The 15 members of the board, who include representatives from the business community and post-secondary education institutions, are appointed for one- to three-year terms, to a maximum of six years. They are selected for their leadership in the science and technology community.

Outgoing board members include Julia Levy, professor of Microbiology, and Robert Miller, UBC's vice-president of Research.

The council, established in 1978 by an act of the legislature, identifies and encourages opportunities for economic development in B.C. through the promotion of creative applications in science and technology.



Myers

Day promotes grad studies

By ABE HEFTER

One-stop shopping will be available to undergraduates interested in obtaining information on graduate programs available at UBC and five other major western Canadian universities.

On Sept. 24, the UBC Graduate Student Centre will be the site of a graduate studies information day. From 12:30 p.m. - 3:00 p.m., representatives from UBC, S.F.U., and the universities of Alberta, Calgary, Manitoba, and Saskatchewan will offer insight into their respective Master's and Doctorate degrees.

Representatives from more than 40 departments at UBC will be on hand from virtually every faculty on campus, explained UBC Graduate Recruitment Officer Derrick Pohl.

"They will be able to answer many of your questions and offer take-home materials to go along with displays that will be set up at the Graduate Student Centre ball room and banquet room," said Pohl.

Obtaining financial support, applying for admission and common features of graduate programs will also be outlined.

"This is an excellent opportunity for undergraduate students to inform themselves about the breadth of graduate programs available at UBC and other western Canadian universities,"

said John Grace, dean of the Faculty of Graduate Studies.

Grace explained there are several reasons why graduate school may be an option for a given student.

"Some areas of work, Occupational Hygiene, for example, are only available at the master's level. In other fields, some careers, like university faculty positions, require a graduate degree, often a doctorate.

"For many students, the very challenge of extending themselves to the very limits of their fields is the stimulus needed to undertake graduate studies."

This first-ever graduate studies information day at UBC will kick off a series of similar information sessions at the other participating universities.

Information sessions will be held at Simon Fraser Sept. 25; in Calgary Sept. 28; at the University of Alberta in Edmonton Sept. 29; the University of Saskatchewan in Saskatoon Sep. 30; and the University of Manitoba in Winnipeg Oct. 1, with UBC representation at each one.

"The co-ordination among the major western Canadian universities in organizing this series of fairs, each with representatives from the other universities, is an excellent example of how universities can work together," said Grace.

"It is essential that prospective graduate students have enough information to help them make the best possible program choice, a choice that could have an effect on the rest of their lives."

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Forum

Saying Yes to Canada

By ROBERT M. CLARK

The package of proposals recently agreed to by the prime minister, the 10 premiers, leaders of the territories and aboriginal leaders is necessarily complicated, because it is an honorable compromise among conflicting viewpoints.

It probably will have more far reaching implications than any other issue on which you will have an opportunity to vote in this century.

The federal government's proposed referendum question is: Do you agree that the Constitution of Canada should be renewed on the basis of the agreement reached on August 28, 1992?

I urge each of you in thinking about this question to give primary emphasis to what you believe is in the best interests of our nation as a whole.

If people in each province put the interests of their province ahead of the interests of our country, this will

lead to more friction, and ultimately to the separation of Quebec from Canada.

A "yes" vote is a contribution to national unity.

If Quebec becomes a separate country, the rest of Canada would become culturally poorer. Both Quebec and Canada would lose economically.

Among the consequences, a "yes" vote across Canada will:

- 1) help to keep Quebec as an integral part of Canada;
- 2) lead to an amendment to our Constitution to recognize that aboriginal peoples have an inherent right to self-government within Canada — a concept to be worked out in the next several years;
- 3) replace an appointed Senate by an elected Senate in which there will be an equal number of Senators from each province. Because Senators will be elected, the new Senate probably

will have more influence than the present Senate.

A "no" vote is not a contribution to national unity.

A negative majority vote across the country would prolong the uncertainties about Canada's constitutional future, without pointing clearly to any positive alternative. A negative majority in the rest of Canada

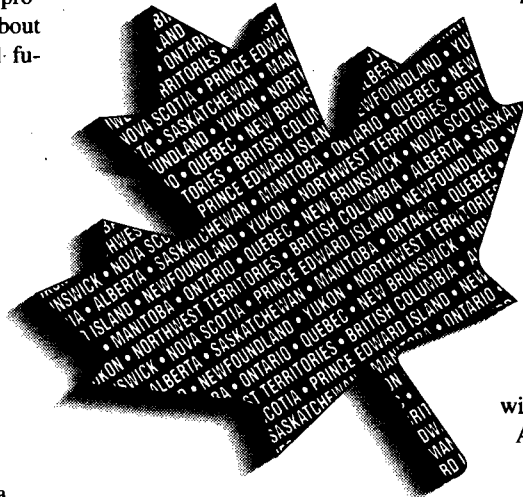
would also be interpreted widely in Quebec as one more rejection of the concerns of a majority of people there to preserve their distinct French language and culture.

If Quebec becomes a separate country, the rest of Canada would become culturally poorer. Both Quebec and Canada would lose economically.

The controversies over the referendum will be most intense in Quebec.

One way of showing your love for Canada and your desire for Quebec to

continue as a part of our country is to reach out by phone calls and letters to our federal and provincial politicians. Another way is to reach out to people



in Quebec telling them we want them to remain 'an integral part' of Canada, sharing their values with the rest of us.

You will have an opportunity to

hear various points of view on the referendum issue at a free forum on Saturday, Oct. 3. The President's Series on the Future of Canada will feature UBC academics, government representatives and other invited speakers in a day-long session in Rm. 102 of the Curtis Building at the Faculty of Law from 8:30 a.m. to 4:30 p.m.

UBC's Alumni Association is also sponsoring a talk Oct. 7 featuring Political Science Professor Alan Cairns, one of Canada's leading constitutional scholars. His lecture at Cecil Green Park House begins at 7:30 p.m. and will be followed by discussion. Admission is free.

Robert M. Clark is a professor emeritus in UBC's Dept. of Economics and a member of The Friends of Canada in British Columbia.

UBC psychologists rank among world's best

Two UBC psychologists are listed among the world's "highest impact" and "most cited" authors in psychology research, an international study has found.

An examination of about 50,000 papers culled from more than 225 psychology journals between 1986 and 1990 recognized the work of Assistant Professor Anita DeLongis and Associate Professor Peter Graf.

Graf was ranked 12th among the 50 highest impact authors in psychology who published at least 10 papers in the five-year period. Graf's research is in the area of human memory and cognition.

Meanwhile, two research articles by DeLongis on stress and coping are listed among the 26

"most-cited" papers.

The study, undertaken by the Institute for Scientific Information, represented all fields of psychology research and was published recently in the daily news bulletin at the International Congress of Psychology.

In terms of the 50 highest-impact institutions (at least 100 papers during 1986-90) UBC ranked 36th worldwide. Other Canadian universities on the list were University of Toronto which ranked fifth, while the University of Western Ontario was 33rd.

According to the study, UBC's Psychology Department published 349 papers which were cited 3.24 times on average.

Shop classes re-tool for '90s

By CHARLES KER

You can't help but get excited when Dave Bowman starts talking shop.

Heck, this guy remembers his first woodwork project in junior high like it was yesterday.

"I was floating two feet off the ground when I handed in that pine notepad holder," said the recent UBC Faculty of Education graduate.

Of course, not all high school students share Bowman's passion for woodworking. Shop teachers today are actually scrambling to make the subject more relevant to students who hang up their hammers after finishing the compulsory Grade 8 class.

Said Bowman: "It's an elective that isn't required so the onus is on me to get students hooked in Grade 8 because other teachers are trying to sell their programs too."

Bowman is one of 20 UBC students to graduate this year under the new moniker of Technology Studies Education, formerly known as Industrial Education.

When it released a new draft curriculum in April, the provincial government acknowledged that the old industrial education curriculum "no longer met the needs of students."

According to UBC Professor Bill Logan, the name change signifies a deliberate philosophical shift: while hand and machine skill development is still recognized as being important, there will now be a greater emphasis on creative thinking, problem-solving and social awareness. Also, this awareness of technology and its application will start in kindergarten instead of secondary school.

Logan said the idea behind technology education began in Britain in 1973, then quickly spread to the U.S., France, Germany, Australia and New Zealand. It surfaced in Canada about five years ago.

In B.C. there has been a gradual



Kindergarten children play on made-to-measure toys built for them by a junior high woodworking class.

change among the province's 1,100 industrial education teachers towards giving students more ownership of their projects from the start. In getting students to think more for themselves,

But Logan, who has taught in the joint UBC/BCIT industrial education program since 1960, said the principles guiding the new curriculum don't depend on hi-tech gadgetry.

Bowman, for instance, plans to teach his students in Kamloops how to make their own note paper. The process will combine building skills with an appreciation for recycling.

Graduate student Richard Scott tries to make his teenage students more socially conscious by having them build things for someone other than themselves or their relatives. One of Scott's classes actually went to the trouble of measuring all the leg lengths of kindergarten students before building rocking horses for them.

"The aim is to make students sensitive to other peoples' needs," said Scott.

The technology education curriculum isn't expected to be formally introduced in B.C. schools until 1995.

In the meantime, Logan is having to keep one eye on the future and one eye in the past to prepare his students for the mixed bag of industrial and technology education currently being taught.

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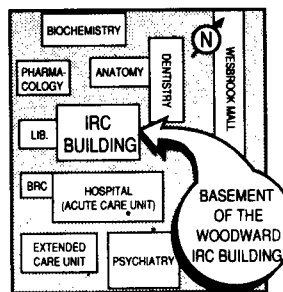
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People

Barman appointed to B.C. Heritage Trust

Jean Barman, associate professor in the Faculty of Education, has been appointed a director on the board of B.C. Heritage Trust.



Barman

Barman is author of *The West Beyond the West*, a best-selling history of B.C. and has co-authored and edited many works and course materials on history and education, including a new bibliography titled *B.C. Local Histories*.

The B.C. Heritage Trust is a crown corporation which supports community-based heritage projects around the province.

John Dennison, a professor in the Dept. of Administrative, Adult and Higher Education, has received the Distinguished Members Award from the Canadian Society for the Study of Higher Education.

Dennison, who began teaching in UBC's Faculty of Education in 1962, was honored with the annual award for his outstanding contributions in the field of higher education.

Co-author of the acclaimed book, *Canada's Community Colleges: A Critical Analysis*, Dennison is working on a follow-up text examining what effects free trade and the Charter of Rights have on the college system.

.....

Ray Meadowcroft has been named as the new head of Metals and Materials Engineering, replacing Bruce Hawbolt as of July 1.

Meadowcroft comes to UBC from Stelco Inc., where he was most recently executive vice-president with specific responsibility for all joint ventures, and for Steltech, a business unit responsible for the sale of technology worldwide.

Meadowcroft was formerly an adjunct professor in the University of Toronto's Dept. of Metallurgy and was an assistant professor at MIT. He was recently named First Lecturer, the John F. Elliott Lectureship in Chemical Process Metallurgy for 1991-92, by the Iron and Steel Society of the American Institute of Metallurgical Engineers.

.....

Dr. William Webber, associate vice-president Academic, has been appointed acting co-ordinator of Health Sciences, effective immediately.

Webber, who served as UBC's dean of medicine from 1977 to 1990, received his medical

degree from the university in 1958, and completed post-doctoral work at Cornell University. His first appointment to UBC's Faculty of Medicine was in 1961.

He recently served as a member of the provincial Royal Commission on Health Care and Costs which was established in 1990 to examine the structure, organization and effectiveness of the British Columbia health care system.

Webber replaces Dr. Paul Robertson who has accepted a deanship with the University of Washington.



Webber

Business sees profit in professional development

By ABE HEFTER

Despite tough economic times, many businesses appear to be looking at training and professional development as an investment and not as an expense.

Judging from a five per cent increase in enrolment in UBC's Executive Programs in the past year, it's an approach that an increasing number of organizations are taking, said Beverly Trifonidis, associate dean of Professional Programs in the Faculty of Commerce and Business Administration.

"Training and professional development are no longer considered expendable during tough economic times."

Trifonidis said executive training is evolving in a number of ways. Some companies are divesting themselves of some aspects of professional development, while others are focusing on one particular area only.

"That's where Executive Programs comes in, as companies look to customize management training and maximize their results," she said.

Trifonidis said Executive Programs will continue to focus on faculty expertise to help companies upgrade the managerial skills of their employees. However, strengthening partnerships with the private sector will ensure that practical experiences, as well as concepts and strategic thinking, are brought to the same table.

"Executive Programs is becoming more dependent on input from participants," Trifonidis said.

"Other people's experiences are becoming more and more valuable. Organizations want their employees to learn from the experiences of others. They're not simply looking for a checklist of do's and don'ts."

The fall 1992 session of seminars, workshops and forums includes several new programs, including *The Cutting Edge of Leadership*. Commerce Associate Dean Peter Frost, an internationally recognized expert in the areas of leadership, corporate culture and organizational politics, is one of the seminar leaders.

"This is an extremely timely seminar for managers who wish to take on more challenging and responsible roles," said Trifonidis. "It comes as leadership roles are being redefined in the 1990's."

"Leadership was once expected only from the chief executive officer. Now, organizations are looking for leadership from all levels."

Another facet of Executive Programs to be introduced this fall is the management breakfast series, being held in conjunction with the Chartered Accountants of British Columbia. These informal gatherings get under way Sept. 24.

"This series is just another way for



Trifonidis

us to touch base with the business community and make organizations aware of what we're doing at UBC," said Trifonidis.

Classified

Classified advertising can be purchased from Community Relations. Phone 822-3131. Ads placed by faculty, staff and students cost \$12.84 for 7 lines/issue (\$.81 for each additional word). Off-campus advertisers are charged \$14.98 for 7 lines/issue (\$.86 for each additional word). (All prices include G.S.T.) Tuesday, September 22 at noon is the deadline for the next issue of UBC Reports which appears on Thursday, October 1. Deadline for the following edition on October 15 is 4 p.m. Tuesday, October 5. All ads must be paid in advance in cash, by cheque or internal requisition.

THANKS to the President's Allocation Committee for supporting UBC's first Odyssey of the Mind team in its silver medal performance at the 13th annual world competition in Colorado. Special thanks to Dr. Strangway.

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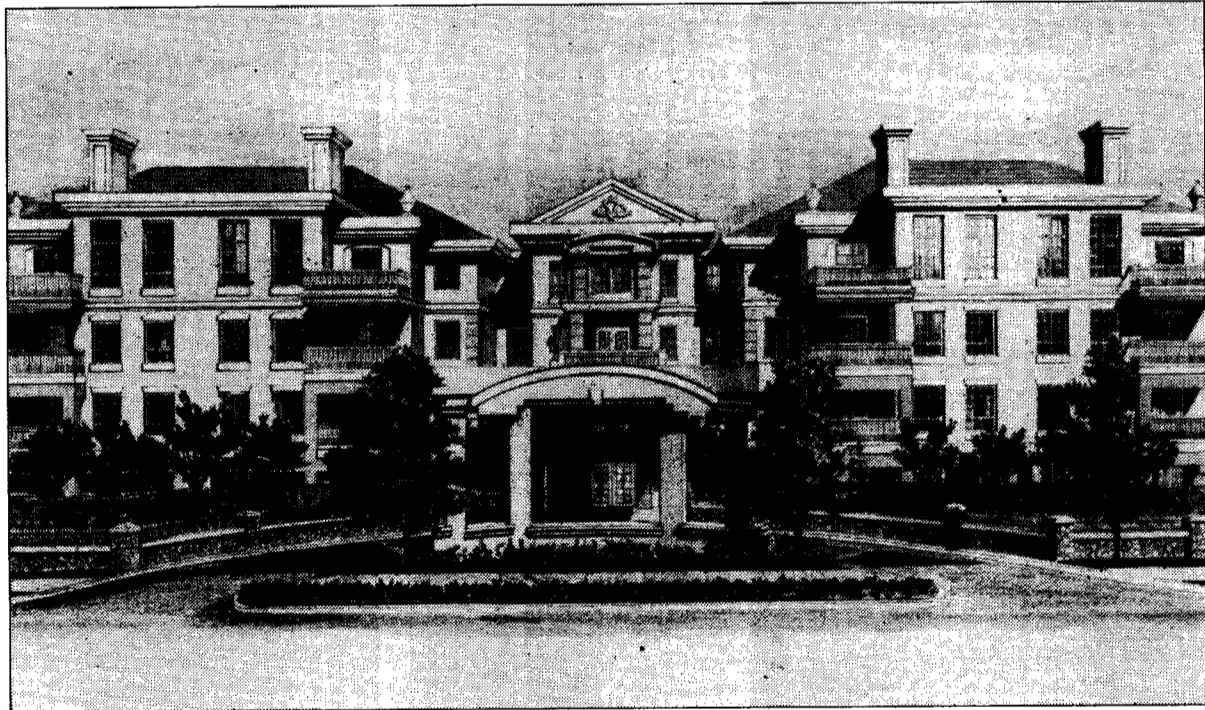
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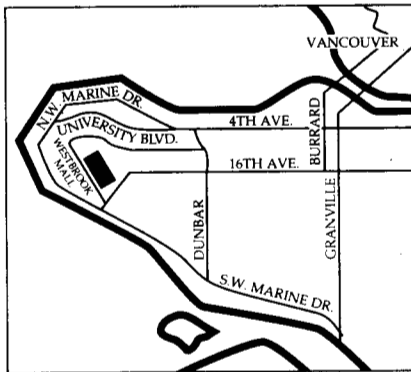
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