



University to receive \$5.8 million funding

UBC named Canadian Centre of Excellence

By PAULA MARTIN

UBC's Centre for Human Settlements has been awarded \$5.8-million in funding and designated a Canadian Centre of Excellence in International Development by the Canadian International Development Agency (CIDA).

The announcement was made at UBC Oct. 26 by Robert Wenman, Member of Parliament for Fraser Valley West, on behalf of Monique Landry, Minister for External Relations and International Development.

Wenman said the UBC proposal, one of four chosen from 38 submissions by Canadian universities, was imaginative.

"It gives priority to the poorest; it enhances the role of women; it builds partnerships; and it promotes environmentally sound development," Wenman said.

"I think it's terrific that this award has come to the centre as one of the largest single grants in UBC history and one of the largest ever in the social sciences and humanities," said Robert

Miller, Vice-President, Research.

The proposal takes a "one-world" approach to housing and urban development issues, said David Hulchanski, director of the Centre for Human Settlements, which is affiliated with the School of Community and Regional Planning in the Faculty of Graduate Studies.

"Many urban problems that we face have parallels in developing countries," he said. "This grant will help make UBC a centre of expertise on urban and planning issues in Asia and we will be able to assist Asian nations in developing their own innovative solutions to housing and urban development problems."

Part of the proposal will have the centre work with the private sector in Vancouver to develop an effective low cost information system that will

help Asian cities keep track of their explosive growth.

Alan Artibise, director of the School of Community and Regional Planning, said the award is another indication of the lead UBC is taking in teaching and research in the Asia Pacific.

"The new Centre of Excellence is dramatic evidence of the rapidly growing strength of UBC in the field of Asian Studies," he said.

"Through this project we will work with three partner universities in China, one in Thailand and one in Indonesia. We will also work on an ongoing advisory group of faculty associates from planning schools in Canada and the developing countries of Asia."

CIDA, which operates Canada's official international development assistance program, will pay \$5.8 million of the centre's total cost of \$9.2 million over five years.

Planning Professor Brahm Wiesman will serve as project director for the start-up of the Centre of Excellence.



Wenman



Photo by Media Services

Open Wide!

UBC Dentistry student Bruce Marshall applies the techniques learned in peak performance training on mannequin at UBC SIMLAB.

See TRAINING on Page 7

Evictions ordered following appeal

By GAVIN WILSON

A student housing appeals committee has increased the number of demerit points issued to two Cariboo House residents who sent obscene and threatening letters to female students, said Mary Risebrough, director of student housing.

The male students, whose names were withheld, will now be evicted

from the university residence, as recommended in an earlier decision by an all-student committee.

The original decision was appealed by Place Vanier residence supervisor Carl Cooper. Neither of the students facing eviction had appealed the earlier ruling.

Cooper appealed on the grounds that demerit points issued for the abuse of housing staff were insufficient and not in keeping with past precedents. A female staff member received one of the most threatening letters in the Oct. 18 incident.

The appeals committee agreed with Cooper and increased demerit points on that charge to three from one, Risebrough said. The committee upheld the recommendations for demerit points issued to the pair for two related offences.

The evicted students were a group of male residents who sent obscene invitations to a tug-of-war to 300 female students in Place Vanier. Another 18 male students were earlier put on probation by the housing standards committee.

Students involved in the incident may also face disciplinary action by UBC President David Strangway.

Women's Studies degree program likely next fall

By CHARLES KER

A degree program in Women's Studies may be offered to UBC Faculty of Arts students starting next fall.

The proposal for an undergraduate major in the discipline was recently endorsed by faculty members following a rigorous review. It now goes to Senate for final approval.

Patricia Marchak, Dean of Arts, said UBC faculty and students have demonstrated a steady interest in Women's Studies since courses were first offered almost 20 years ago.

"Most other universities, large and small, have had Women's Studies programs for quite some time," said Marchak. "We are rather late in developing this at the full-faculty level, but are delighted nonetheless."

Tannis MacBeth Williams, co-ordinator of the Women's Studies Committee, said Women's Studies is a multidisciplinary field that draws upon several traditional disciplines with its own texts, journals and methodologies.

Williams added that strong course enrolments, the establishment of several lecture series, and the success of a

Women's Studies conference at UBC last year, highlight the need for a separate program.

"There is now a large body of knowledge and theory concerning women that cannot be adequately covered within traditional disciplines or a traditional majors program," said Williams.

The degree program, which would be staffed through cross-appointments between Women's Studies and existing departments, combines Women's Studies courses with a number of courses already offered in several departments.

It is also hoped that the fully developed program will be complemented by a proposed inter-faculty Centre for Research in Women's Studies and Gender Relations to enhance UBC

scholarship in these areas.

The current program is anchored by WMST 222, Introduction to Women's Studies, and WMST 224, Women and Literature.

Women's Studies 222 becomes compulsory in the degree program, along with third-year courses WMST 322 and WMST 324. Fourth-year students would be required to take one of two advanced research seminars dealing with Women's Studies in the humanities, or social sciences.

The remaining 7.5 units, of the 15 units required for a major in third and fourth years, would be taken from Special Topics courses in Women's Studies or from 12 courses approved for Women's Studies credit in 10 Arts departments.

A dozen courses of related interest, but not counting toward a major, are also being offered. Among these is the third-year course WMST 300, Introduction to Gender Relations, created to help educate both men and women about gender-related issues.

Inside

LONGHOUSE: The new First Nations Longhouse will be a home-away-from-home for Native students on campus. *Page 2*

COINCIDENCE: A theft from his car began an odd turn of events for thriller novelist Ian Slater. *Page 3*

KILLAM: Winners of the UBC Killam Research Prize are announced. *Page 8*

With soaring gas prices, traffic congestion, environmental worries and construction putting the squeeze on campus parking spaces, car pooling may be an idea whose time has come.

Karen Pope thinks so. The UBC staff member has started a free, car pool matching service for university faculty, staff and students.

"For example, I drive in from North Burnaby and it costs me \$4 to \$5 a day for gas alone.

said Pope. "But even if just two people share a ride, it cuts costs in half."

Pope, who works in the office of the Dean of Applied Science, is initiating the program herself. The program comes as the Greater Vancouver Regional District is promoting its Go Green campaign, which urges commuters to consider the environmental and economic reasons for travelling by car pool or public

partners in your area.

To enter your name in UBC's new car pool matching service, send a letter to Pope, in care of the Dean's office, listing home address, place of work, hours of work, home phone number, UBC local and whether you smoke while driving.

Pope enters the information on a computer database. When a match is found, she will give you the names and numbers of potential car pool

The Alma Mater Society also operates a car pool program called UBC Rideshare.

Open to faculty and staff, as well as students, you don't even need a car to join. Riders are welcome to sign up and match themselves with drivers who are registered.

Register at Speakeasy in the SUB Concourse, open from 9 a.m. to 9 p.m. daily, or call 228-3737 for more information.

Will consolidate Native programs

New Longhouse home to First Nations students

By GAVIN WILSON

Construction is expected to begin next year on the First Nations Longhouse, a new centre for Native Indian students at UBC.

The longhouse will replace the huts currently used by the First Nations House of Learning, a campus body that promotes quality studies based on relevance to the philosophy and values of First Nations peoples. The facility will also consolidate other First Nations programs on campus.

"The longhouse will serve as a home-away-from-home where First Nations students will be able to maintain their sense of community in an appropriate environment," said Verna Kirkness, director of the First Nations House of Learning.

Construction will be funded through donations to UBC's fundraising campaign, A World of Opportunity, including a \$1-million contribution by retired Vancouver businessman Jack Bell. Matching funds will come from the provincial government.

The First Nations Longhouse will be built using elements of traditional Coast Salish design and constructed almost entirely of western red cedar. The 100-metre-long roof will be sheathed with copper, a metal of great significance to coastal peoples. Its

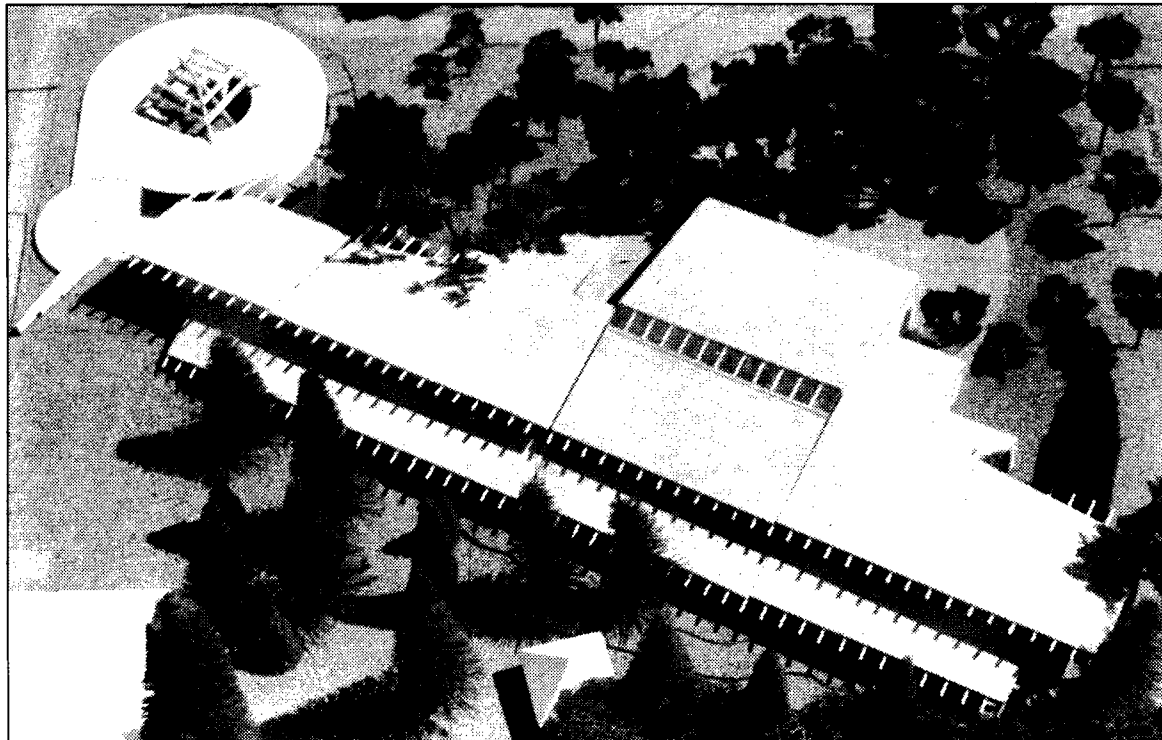


Photo by Media Services

An aerial view of model of future UBC First Nations Longhouse: design likened to "the outstretched wings of an eagle".

shape has been likened to the outstretched wings of an eagle, said architect Larry McFarland, of Vancouver.

The longhouse will be built on land now used as a parking lot in the area bounded by West Mall, Lower Mall,

the Fraser Parkade and Ponderosa Annexes.

The location is the original site of UBC's first arboretum and many of the original trees still remain. Only eight trees will be removed during

construction; those of botanical value will be kept. Two huts on West Mall will also be removed.

The centrepiece of the longhouse will be the Great Hall. Designed for ceremonial use, it will be large enough

to accommodate 300 to 400 people. The hall's four massive cedar columns will be decorated by native carvers. At its highest point, the ceiling will be 10 metres high.

Another unique feature of the plan is the Spirit Renewal Hall, a small structure open to the outdoors and surrounded by tall trees. It is intended for quiet contemplation.

The longhouse will also contain a library, Elders Hall, seminar rooms, student services, ceremonial plaza and offices for Native academic programs such as law, education and health care.

The roof of the underground library will resemble those of the traditional pit houses of native people living in the Interior and upper Fraser Valley.

Future users of the building and Native elders were extensively surveyed for their opinions and input before architects drew up the plans.

For example, the longhouse will be oriented on the site according to the points of the compass. This is contrary to the campus planning grid, but in direct response to the spiritual and cultural symbols of the First Nations People, said McFarland.

The site of the new First Nations House of Learning longhouse was blessed in a traditional ceremony by the Musqueam people.

Vancouver in "seismic ring of fire" - UBC engineer foresees giant quake

By ABE HEFTER

Peter Byrne doesn't want to sound any alarm bells but the UBC engineering professor says based on historical and geological evidence, there's a 10-per-cent chance that the Vancouver area will be hit with a severe earthquake in the next 50 years.

Because Vancouver is located on the edge of what Byrne calls a seismic "ring of fire," the city could be in store for a particularly nasty bit of geological handywork known as a subduction earthquake. That's when one area of land slips below another area of land and pushes it toward the surface of the earth. However, the professor is quick to point out that it could be as long as 1,000 years before a subduction earthquake strikes this ring of fire in the Pacific region.

"In order to be prepared for an earthquake, you have to know what's going

to happen," said Byrne. "Something like a subduction earthquake occurs every 500 years or so and geological signs indicate something is brewing. The potential for a subduction earthquake is a big concern."

Byrne's concern centres around the level of shaking that a subduction earthquake would generate.

"The level of shaking would be higher than San Francisco was subjected to in last year's quake," said Byrne, "and because a subduction earthquake can be very large, its effects would be felt over a much wider region, covering hundreds of kilometres. Earthquakes don't kill people, it's the collapse of buildings and structures that causes the damage."

Fortunately, many of the structures found in Vancouver are built on what Byrne calls good, hard ground, and

they would hold their own in a subduction earthquake.

"The UBC campus, for example, sits on good stuff," said Byrne.

"Wood-frame houses would behave reasonably well. However, some of the older areas around the city, which feature structures built from unreinforced masonry, might not fare that well and could collapse."

Byrne and Mel Blaney, director of emergency programs for the City of Vancouver, addressed an audience at the UBC Student Union Building Nov. 5, as part of UBC's Health and Safety Awareness Week.

What's the best course of action to take if you're subjected to the shake, rattle and roll of an earthquake? They said if you're outdoors, stay outdoors. If you're in a building, stay in the building. And if you're anywhere near a desk or table, get under it.



Photo by Media Services

Fine Arts Professor Judith Williams with portions of her exhibit entitled "Who's Story Is This?" The exhibit is on display at the Surrey Art Gallery until Dec. 2. The fir and cedar sculpture holds two hand-bound books; one using texts from explorer's journals and one with a text by Williams and images from Native pictographs.

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UBC Media Services Photography 228-4775

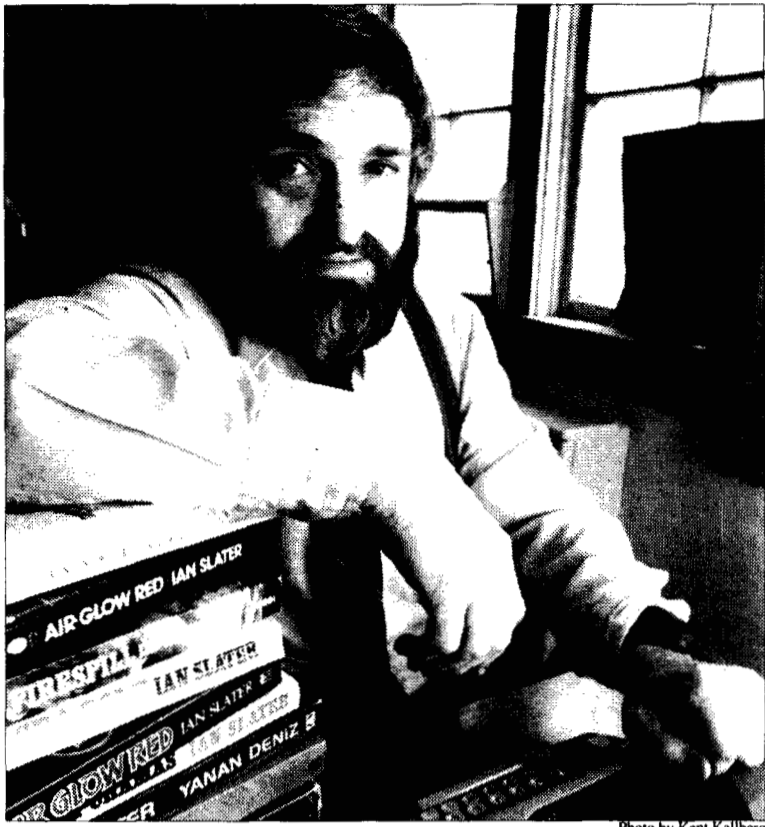


Photo by Kent Kallberg

UBC instructor and novelist Ian Slater with some of his best-selling books.

Timing perfect for Nazi novel

By GAVIN WILSON

Ian Slater can't help but shake his head over the series of coincidences surrounding the publication of his latest two novels, *Forbidden Zone*, which is based on factual but little-known events of the Second World War, and *WW III*.

Slater, who teaches in the Arts I program and edits the journal *Pacific Affairs*, is the author of best-selling adventure thrillers, including *Firespire*, *Air Glow Red*, *Deep Chill* and *Storm*, as well as an acclaimed study of the author of 1984, *Orwell: The Road to Airstrip One*.

Slater was on his way to photocopy the only manuscript of the newly completed *Forbidden Zone* when it was stolen from his car at Jericho Beach. Publication was delayed as he began the heart-breaking job of re-writing the entire book. But when it was released last June, the timing could not have been better.

"I'm almost tempted to say the thief did me a favor," said Slater.

Forbidden Zone is based on an obscure but chilling episode of the Nazi era. Deep underground, in a secret factory in the Harz Mountains, the Nazis were developing their V-1 and V-2 rockets, while in another part of the country, they were manufacturing the world's first nerve gas, of the kind Iraq now threatens to use.

Only days after the novel's publication, Slater saw one of the architects of the Nazi rocket program on the front page of the *Globe and Mail*.

Arthur Rudolph, a suspected war

criminal barred from Canada, had been detained at Toronto's Pearson airport. He is suspected of complicity in atrocities at the Dora-Nordhausen forced labor camp, the setting of *Forbidden Zone*.

Although honored in the United States after the war as a top rocket scientist for NASA, Rudolph was later accused by the U.S. Justice department of being responsible for the appalling working conditions at Dora-Nordhausen, where as many as 25,000 inmates were literally worked to death in the underground factory.

He relinquished his U.S. citizenship in 1984 rather than face charges and now lives in Germany.

After seeing the article, Slater spoke with the U.S. Justice Department's chief investigator in the Rudolph case.

"He said it is certainly a small world. A colleague of his had just mentioned reading a book — *Forbidden Zone* — all about Dora-Nordhausen," said Slater. "He was staggered, as I was, by the sheer coincidence of it."

"Some feel we should forgive and forget some of the crimes uncovered during the war — that Rudolph is 88 years old. My response is: 25,000 people never got a chance to be 88 years old."

Meanwhile, the global tensions generated by the crisis in the Persian Gulf have given Slater's latest novel, *WW III*, a new sense of urgency. Just released this month, the novel portrays a world slipping inexorably towards war.

75-year medals honor extraordinary service

By RON BURKE

As part of the special, fall congregation ceremony on Thursday, Nov. 29, 75 members of the university community will receive UBC 75th anniversary medals. These medals recognize extraordinary service and commitment to the university. The ceremony begins at 2:30 p.m. in the War Memorial Gym.

Recipients of 75th anniversary medals are:

MICHAEL AMES - Museum of Anthropology

KENNETH ANDREWS - Department of Plant Operations

PATRICIA BAIRD - Department of Medical Genetics

JAMES BANHAM - Information Officer (retired)

MARTIN BERINBAUM - School of Music

JUNE BINKERT - Department of Fine Arts

SADIE BOYLES - Professor Emerita Education

JOHN BROCKINGTON - Department of Theatre

JUDY BROWN - Department of English

PAUL BURNS - St. Mark's College

SUE CALTHROP - Health Sciences Department Coordinator

MURIEL CAMPBELL - Student Counselling/Ceremonies Office

NANCY CHO - Alumni - Rehabilitation Medicine Division

MAGDA CSISZAR - Totem Park Canteen

CLARE DAEM - School of Family & Nutritional Sciences

LAURENDA DANIELLS - Archivist Emerita

DAVID DEVINE - Allan McGavin Sports Medicine Centre

CLAUDE DOLMAN - Professor Emeritus of Microbiology

WILLIAM DUSING - Department of Classics

JEAN ELDER - Department of History

ALBERT EMSLIE - Department of Plant Operations

BARBARA EVANS - President's Office

JAMES FANKHAUSER - School of Music

CYRIL FINNEGAN - Dean Emeritus of Science

JOHN FOSTER - Information Systems Management

ROBERT FRAMPTON - Student Housing & Conferences

PENNY GOULDSTONE - Professor Emerita VPAAE

HUGH GREENWOOD - Professor Emeritus of Geological Sciences

HELEN HAHN - Vice-President Research Office

BYRON HENDER - Awards & Financial Aid Office

ROBERT HINDMARCH - Athletics and Sports Services

NANCY HORSMAN - Women Students' Office

JOHN HOWE - Campus Mail

JOHN IRVINE - Department of Plant Operations

JOAN KING - Ceremonies Office

VERNA KIRKNESS - First Nations House of Learning

NESTOR KORCHINSKY - Intramurals

PETER LARKIN - University Professor

STEVE RAK - Department of Chemistry

JAMES RICHARDS - Dean, Faculty of Agricultural Sciences

BERNARD RIEDEL - Dean Emeritus of Pharmaceutical Sciences

MARY RISEBROUGH - Student Housing & Conferences

J. LEWIS ROBINSON - Professor Emeritus of Geography

RUBY RUDD - Purchasing Department

OLGA RUMEN - Totem Park Food Services

BARRY SCOTT - Bookstore

A.F. (Dick) SHIRAN - Director Student Counselling & Resources Centre (retired)

RICHARD SIMONS - Vice-Chair Marketing Committee, 75th Anniversary Celebrations

MARY STOVELL - Food Services

ROY SUMI - Gardener Nitobe Garden (retired)

OSCAR SZIKLAI - Professor Emeritus of Forest Sciences

FRANCES TAKEMOTO - Financial Services Department

DAVID TARRANT - Botanical Garden

PAUL THIELE - Crane Library

BEVERLEY TWAITES - Department of Pathology

NORMAN WATT - Extra Sessional Studies

SUSAN WATTS - Department of Forest Sciences

WILLIAM WEBBER - Former Dean, Faculty of Medicine

ROBERT WILL - Former Dean, Faculty of Arts



MICHAEL LEE - Former President Alma Mater Society

DAVID LINDQUIST - Senior Instructor Emeritus of Physics

SHIRLEY LOUIE - Food Services

PETER LUSZTIG - Dean, Faculty of Commerce & Business Administration

JUNE LYTHGOE - Women Students' Office/Faculty of Education

ALBERT MCCLEAN - Associate Vice-President/Faculty of Law

PEIG McTAGUE - Vice-Chair Open House

FRANCES MEDLEY - Registrar's Office

VADILAL MODI - Department of Mechanical Engineering

DOUGLAS MOORE - "Buzz" - Athletics and Sports Services

FINLAY MORRISON - Professor Emeritus of Pharmaceutical Sciences

BENJAMIN MOYLS - Professor Emeritus of Mathematics

JOE NAGEL - Geological Sciences Museum

RAYLEEN NASH - Faculty of Graduate Studies

J.E.A. PARNALL - Registrar Emeritus

ANNE PITERNICK - School of Library, Archival & Information Studies

LIGHTS OF LEARNING

Following the congregation ceremony, **Chancellor Leslie Peterson** and **President David Strangway** invite all guests to join them at a reception in front of Main Library.

The reception includes the ceremonial turning on of the lights on the giant sequoiadendron tree in front of the library. The lights are part of the Lights of Learning program, designed to help improve campus safety through increased lighting.

Chancellor Peterson and President Strangway will offer brief comments, the UBC Brass Band will provide music for seasonal carols and refreshments will be served.

Faculty, staff, students "Go Green" with carpool matching service

By GAVIN WILSON

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November 18 –
December 1

SUNDAY, NOV. 18

University Singers

Eric Hannan, director. Free admission. Music Recital Hall at 8pm. Call 228-3113.

MONDAY, NOV. 19

Cancer Research Seminar

Progression Of An Androgen-Responsive Shionogi Tumor Towards Hormonal Autonomy: A Model For Prostate Cancer. Dr. Koichiro Akakura, Urology, School of Medicine, Chiba U., Japan. B.C.C.R.C. Lecture Theatre, 601 W. 10th from 12-1pm. Call 877-6010.

Pediatrics Research Seminar Series



The Macrophage As Renaissance Cell: Jack Of All Trades, Master Of Some. Prof. David Speert, Infectious Diseases, Pediatrics, UBC. University Hospital, Shaughnessy Site D-308 at 12pm. Refreshments at 11:45am. Call 875-2492.

Astronomy Seminar

Cosmic Strings. Dr. Bill Unruh, UBC. Geophysics/Astronomy 260 at 4pm. Coffee from 3:30pm. Call H. Richer 228-4134/2267.

Biochemistry Seminar

Amphiregulin And HER-3: Family Members Or Molecular Orphans? Dr. Greg Plowman, Oncogen Corporation, Seattle, WA. IRC #4 at 3:45pm. Call 228-7824.

MECH 598 Seminar

Numerical And Experimental Modelling Of An Active Suspension. Dajang Yang. Flow Visualization Of High Speed Injection Of Natural Gas Into A Combustion Chamber. Patric Ouellette. Both speakers, M.A.Sc. students, Mechanical Engineering. Civil/Mech. Engineering 1202 from 3:30-4:30pm. Call 228-6200.

Applied Mathematics Seminar

An Alternative Approach To Electromagnetic Boundary Value Problems. Dr. Rod Donnelly, Electrical Engineering, U. of Newfoundland, St. Johns. Mathematics 229 at 3:45pm. Call 228-4584.

TUESDAY, NOV. 20

UBC Debating Society

Do Animals Have Rights? Dr. Richard Sikora, Philosophy, UBC, against Dr. Ed Locke, Business/Management, U. of Maryland. Reception follows. SUB Auditorium from 2:30-4:30pm. Call 876-6386.

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. Managing Editor: Steve Crombie. Contributors: Connie Filletti, Abe Hefter, Charles Ker, Paula Martin and Gavin Wilson.

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CALENDAR DEADLINES

For events in the period Dec. 2 to Dec. 15 notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Tuesday, Nov. 20 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 228-3131. The next edition of UBC Reports will be published Nov. 29. Notices exceeding 35 words may be edited.

Anthropology/Sociology Guest Lecture

Typologies Of Mobilization: Deflections On Ecology And Ideology. Prof. Harriet Rosenberg, Director, Health/Society Program, York U. Anthropology/Sociology 207/9 from 11:30am-1pm. Call 228-2756.

Botany Seminar

Factors Regulating The Expression Of Genes In Zygotic And Microspore Derived Embryos Of Brassica Napus. Maurice Moloney, Biological Sciences, U. of Calgary. BioSciences 2000 at 12:30pm. Call 228-2133.

Medical Genetics Seminar

Molecular Genetics Of Leishmania. Dr. W. Robert McMaster, Medical Genetics, UBC. Hennings 202 at 8:30am. Coffee at 8:15am. Call 228-5311.

Grass Foundation Lecture

Dynamic Imaging Of Ca⁺⁺ In Neurons. Dr. David W. Tank, AT&T Bell Labs. University Hospital, UBC Site, G-279 at 4pm. Call 228-2330.

Lectures In Modern Chemistry



Experiments With Laser-Cooled Mercury Ions. Dr. Wayne Itano, National Inst. of Standards/Technology, Boulder, CO. Chemistry B-250 at 1pm. Refreshments from 12:40pm. Call 228-3266.

Faculty Recital

Kathleen Rudolph, flute; John Rudolph, percussion. Free admission. Music Recital Hall at 8pm. Call 228-3113.

WEDNESDAY, NOV. 21

TAG Fall 1990 Seminar



Computerized Literature Searching: Can You Do It Yourself? Pia Christensen, Elizabeth Caskey, Pat Lysyk, Dan Heino, Helen Mayoh and Joan Sandilands. UBC Library. Main Library 835, top floor, north wing from 3:30-5:30pm. Call 222-5243/5272.

Ecology/Resource Ecology Seminar

Distribution, Abundance And Movements Of Nectar Feeding Birds. Graham Pyke, Australian Museum. BioSciences 2449 at 4:30pm. Call 228-2731.

Geophysics Seminar

IRIS - A Major Seismological Research Facility. Dr. Tim Ahern, Incorporated Research Institutions of Seismology (IRIS), Houston, TX. Geophysics/Astronomy 260 at 4pm. Coffee at 3:45pm. Call 228-3100/2267.

E.S. Woodward Lecture Series

The Soviet Economic Reforms: Intentions Versus Reality. Prof. Leonid Polishchuk, Novosibirsk State U., USSR Academy of Sciences. Henry Angus 110 from 12:30-1:30pm. Call 228-2876.

Economics Departmental Seminar

The LMAS Filter: Measuring Labour Force Dynamics With The Labour Market Activity Survey. Craig Riddell, UBC. Brock Hall 351 from 4-5:30 pm. Call 228-2876.

Office For Women Students Lecture



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

Microbiology Seminar Series

Glycogen De-Branching Enzyme. Dr. Steve Withers, Chemistry, UBC. Westbrook 201 from 12:30-1:30pm. Call 228-2376.

Wednesday Noon-Hour Concert Series

Vladimir Levto, piano. Admission \$2. Music Recital Hall at 12:30pm. Call 228-3113.

UBC Choral Union Choir

Steven Morgan, director. Free admission. Music Recital Hall at 8pm. Call 228-3113.

THURSDAY, NOV. 22

OB/GYN Research Seminar

Testis Determining Gene. Dr. Barbara McGillivray, Medical Genetics, UBC. Grace Hospital 2N35 at 1:30pm. Call 875-2334.

Medicine Distinguished Faculty Lecturer



Acidic Amino Acids — From Pharmacological Curiosities To Excitatory. Dr. Hugh McLennan, Physiology. Lecture rescheduled from Nov. 1. University Hospital, UBC Site, G-279 at 12pm. Call 228-4305.

Pharmacology Seminar

Nucleoside And Nucleotide Drug Development. Dr. John B. Hobbs, Microbiology, UBC. Friedman Lecture Hall B from 11:30-12:30pm. Call 228-2575.

CICSR Distinguished Lecture Series

Formal Specifications For Testing Designs And Implementations: Applications To OSI Protocol Testing. Dr. Gregor V. Bochmann, U. of Montreal. All welcome. Scarfe 100 from 1-2:30pm. Coffee/cookies at 12:30pm. Call 228-6894.

Geological Sciences Visiting Speakers Seminar

Current Research. Dr. Rosemary Knight, Geological Sciences, UBC. GeoSciences A-330 from 12:30-1:30pm. Call 228-4525.

Forestry Seminar



The Challenges Of International Forestry: The Potential Role Of The UBC Faculty Of Forestry. Dr. Ralph Roberts, Director, Forestry Sector, Canadian International Development Agency. Free admission. MacMillan 166 from 12:30-1:30pm. Call 228-2507.

Planning Lecture Series

Guest Lecture. A Development Consultant's View Of Civic Politics. Michael Geller, Geller Group. Lasserre 105 at 12:30pm. Call 228-3276.

Slavonic Studies/Political Science Lecture

The Impact Of German Unification. Dr. Karl-Ernst Plagemann, Inst. International Relations, Berlin and Visiting Professor, San Francisco State U., CA. Buchanan A-202 at 12:30pm. Call 228-4559/3443.

Arts Public Lecture

In conjunction with SFU Institute for the Humanities and VCC Langara Interdisciplinary Studies. German Unification And Democracy In Europe. Dr. Karl-Ernst Plagemann, Inst. International Relations, Berlin and Visiting Professor, San Francisco State U., CA. Free admission. Vancouver Community College, 100 W. 49th, A-130 at 7:30pm. Call 228-3443/324-5239.

Philosophy 1990 Fall Colloquium Series

Two Kinds Of Empiricism: Rorty And Deleuze. Bruce Baugh, U. of Victoria. Buchanan D-336 at 12:30pm. Call 228-3292.

UBC Choral Union Choir



Steven Morgan, director. Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

FRIDAY, NOV. 23

Fisheries/Aquatic Science Seminar Series

Are Spineless Males Wimps? Genetics/Fitness Consequences Of A Pelvis Reduction In A Stickleback. Max Blouw, St. Francis Xavier U. BioSciences 2361 at 3:30pm. Call 228-2731.

Allan McGavin Sports Medicine Seminar

Ankle Injuries In Athletes. Moderator: Dr. Doug Clement. Speakers: Dr. Rob Lloyd-Smith, Trish Hopkins and Ron Mattison. Admission, \$7/person, \$5/UBC student. IRC Woodward #2 at 7pm. Registration at 6pm. Refreshments follow question period at 9:15pm. Call 228-4045.

Pediatrics Resident Case Management

Clinical Pathological Conference. Dr. Jane Hailey, Chief Resident. G.F. Strong Rehab. Centre Auditorium, W. 26th/Laurel Street at 9am. Call 875-2118.

Chemical Engineering Weekly Seminar

High Yield Bagasse Pulping. Dr. Nancy Fernandez, Director, Cuban Pulp/Paper Research Inst. ChemEngineering 206 at 3:30pm. Call 228-3238.

E.S. Woodward Lecture Series

The Soviet Economic Reforms: Intentions Versus Reality. Prof. Leonid Polishchuk, Novosibirsk State U., USSR Academy of Sciences. Henry Angus 110 from 12:30-1:30pm. Call 228-2876.

UBC Stage Band

Fred Stride, director. Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

SATURDAY, NOV. 24

THE VANCOUVER INSTITUTE



European Colonialism And Its Impact On Indigenous Peoples. Archbishop E.W. Scott, Anglican Church of Canada, Toronto. IRC #2 at 8:15pm. Call 228-5675.

Grey Cup Fall Sports Medicine Symposium

Sponsors: Continuing Medical Education. Overuse/Traumatic Injuries To The Foot. Primarily for family physicians, physiotherapists/orthopaedic surgeons. Registration, \$149. IRC Woodward #2 from 7:45am-4:10pm. Call 228-2626.

MONDAY, NOV. 26

Cancer Research Seminar

Hematopoietic Stem Cell Growth, Differentiation And Transformation. Dr. James Ihle, St. Jude Children's Research Hospital, Memphis, TN. B.C.C.R.C. Lecture Theatre, 601 W. 10th from 12-1pm. Call 877-6010.

Biochemistry Seminar

Human Endogenous Retroviruses. Dr. Dixie Mager, Terry Fox Lab. IRC #4 at 3:45pm. Call 228-3027.

Astronomy Seminar

Pulsation Periods: Deviations From Perfect Periodicity. Dr. Emilia Belsere, Maria Mitchell Observatory. Geophysics/Astronomy 260 at 4pm. Coffee from 3:30pm. Call 228-4134/2267.

Collegium Musicum

John Sawyer, director. Free admission. Music Recital Hall at 8pm. Call 228-3113.

UBC Bookstore Celebrity Appearance

Alex Trebek, Jeopardy! Host. Jeopardy!-type contest to celebrate Alex Trebek's book. Contest details/entry forms available at UBC Bookstore. Entry deadline 5pm, Nov. 19. Bookstore from 12-1pm. Call 228-4741.

UBC Student Composers Concert

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

TUESDAY, NOV. 27

Botany Seminar

Angiosperms, Gymnosperms, And Dinosaurs: Vertebrate Herbivory In The Late Mesozoic. Bruce Tiffney, Geological Sciences, U. of California, Santa Barbara. BioSciences 2000 at 12:30pm. Call 228-2133.

Lectures In Modern Chemistry

Moffatt Lecture. Design And Synthesis Of DNA-Cleaving Molecules And Anticancer Agents. Prof. K.C. Nicolaou, Chemistry, U. of San Diego, La Jolla. Chemistry B-250 at 1pm. Refreshments from 12:40pm. Call 228-3266.

Neuroscience Discussion Group Seminar

Activity Patterns/Modulation Of Axon Terminal Field Excitation In A Mammalian Peptidergic System. Dr. Charles Bourque, Montreal General Hospital/McGill U. University Hospital, UBC Site, G-279 at 4pm. Call 228-2330.

Medical Genetics Seminar

To be announced. Hennings 202 at 8:30am. Coffee at 8:15am. Call 228-5311.

Collegium Musicum

John Sawyer, director. Music Recital Hall at 12:30pm. Call 228-3113.

Calendar

November 18 – December 1

WEDNESDAY, NOV. 28

Geography/Slavonic Studies Colloquium

The Use Of Systems Analysis In Environmental Pollution Control: East European Experience. Radovan Chrast, United Nations Commission for Europe. Geography 201 at 3:30pm. Call 228-3443.

Anthropology/Sociology Guest Lecture

Aboriginal Justice In New Zealand. Prof. John Pratt, Sociology, Victoria U., Wellington, New Zealand. AnSo 207/9 from 11:30-1pm. Call 228-2756.

Ecology/Resource Ecology Seminar

A Biochemists View Of Field Bioenergetics. Peter Hochachka, UBC. BioSciences 2449 at 4:30pm. Call 228-2731.

Geological Sciences Visiting Speakers Seminar

Initial Results Of Leg 133, Ocean Drilling Program: Drilling A Tropical To Temperate Carbonate Succession Along The Great Barrier Reef. Dr. George Dix, Geological Sciences, UBC. GeoSciences A-330 from 12:30-1:30pm. Call 228-4525.

Microbiology Seminar Series



SH2 Domains Regulate Protein-Protein Interaction In Signal Transduction. Dr. Tony Pawson, Mt. Sinai Hospital/U. of Toronto. Wesbrook 201 from 12:30-1:30pm. Call 228-2376.

Applied Mathematics Seminar

Large Eddy Simulation As A Tool For Studying Turbulence In The Atmospheric Boundary. Dr. Douw Steyn, Geography, UBC. Mathematics 229 at 3:45pm. Call 228-4584.

UBC Wednesday Noon-Hour Concert Series



Wendy Nielsen, soprano and Mark Morash, piano. Admission \$2. Music Recital Hall at 12:30pm. Call 228-3113.

THURSDAY, NOV. 29

Pharmacology Seminar

Anaesthesia In Children. Dr. David J. Steward, Anaesthesia, B.C. Children's Hospital. Friedman Lecture Hall B from 11:30am-12:30pm. Call 228-2575.

Physics Colloquium

Pulsars. Donald Backer, Berkeley U., CA. Hennings 201 at 4pm. Call 228-3853.

Forestry Seminar

Debris Flows On Steep Slopes. Dr. Jonathan Fanin, Harvesting/Wood Science, Forestry, UBC. Free admission. MacMillan 166 from 12:30-1:30pm. Call 228-2507.

Economics Departmental Seminar

Advance Notice And The Duration Of Pre/Post Displacement Job Search. Stephen Jones, McMaster U. Host: Craig Riddell. Brock Hall 351 from 4-5:30pm. Call 228-2876.

Arts Public Lecture

In conjunction with SFU Inst. Humanities and VCC Langara Interdisciplinary Studies. The Environmental Crisis In Eastern Europe. Radovan Chrast, United Nations Commission for Europe. Langara, 100 W. 49th A-130 at 7:30pm. Call 228-3443/324-5239.

Philosophy 1990 Fall Colloquium Series

Proper Names: Possibility/Culture. Tom Patton, Philosophy, UBC. Buchanan D-336 at 12:30pm. Call 228-3292.

UBC Symphony Orchestra

Jesse Read, director. Free admission. Old Auditorium at 12:30pm. Call 228-3113.

Distinguished Artists Series

Joseph Shore, baritone; Rena Sharon, piano. Admission \$12, students/seniors \$7. Music Recital Hall at 8pm. Prelude Lecture 7:15pm. Call 228-3113.

FRIDAY, NOV. 30

Chemical Engineering Weekly Seminar

Biomedical Waste Incineration - The Burning Question! Dr. C.M.H. Brereton. ChemEngineering 206 at 3:30pm. Call 228-3238.

Fisheries/Aquatic Science Seminar

The Effects Of Density On The Reproductive Success Of Smallmouth Bass: Lessons From 50 Years Of Field Data. Brian Shuter, Ontario Natural Resources. BioSciences 2361 at 3:30pm. Call 228-2731.

UBC/SFU Public Forum

South Africa in the 1990s: A joint UBC/SFU forum featuring Fatima Meer, biographer of Nelson Mandela. SFU Harbour Centre Rm. 1900 at 7:30pm. Call 228-4315.

UBC Symphony Orchestra

Jesse Read, director. Free admission. Old Auditorium at 8pm. Call 228-3113.

SATURDAY, DEC. 1

THE VANCOUVER INSTITUTE

Drug Receptor Interactions: A Chemist's Approach. Prof. Saul Wolfe, Chemistry, SFU. IRC #2 at 8:15pm. Call 228-5675.

Child Study Centre 1990/91 Saturday Series

Child Sexual Abuse: Prevention, Intervention/Support. Susan Swanson, Vancouver Early Childhood Educator. Single lecture, \$15; \$60 for all five. Child Study Centre, 2881 Acadia Road from 9:30am-12:30pm. Call 228-2013.

NOTICES

Carpool Matching

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

Executive Programmes

One/two-day business seminars. Nov. 18-30 series includes: Dealing With Troubled Employees, \$495; Self-Managing Word Teams, \$775; Do-It-Yourself Marketing Research, \$550; Real Estate Outlook For 1991, \$325. Call 224-8400.

UBC Speakers Bureau

Would your group like to know more about topics ranging from Urban Planning to Careers in Professional Agriculture? More than 500 topics to choose from; most speakers available free of charge. Call 228-6167, Mon., Wed., Fri., 8:30am-12pm.

Our Chiefs And Elders

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

Fine Arts Exhibit

Until December 2. Paintings by Thaiwijiit Pungkasemsomboon, Thailand. Winner 1990 Geoffrey/Margaret Andrew Fellowship in the Creative/Performing Arts. Reception Monday, Nov. 26th from 4-6pm. Asian Centre Auditorium from 11am-4pm. Call 228-5650/2746.

Sports Medicine Study

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

School of Nursing Study

Volunteers needed for study of couples/family adjustment to a breast cancer diagnosis. Women and partners. Involves interviews/response to questionnaire. Call Dr. Ann Hilton at 228-7498.

Psychiatry Depression Study

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

Psychiatry Personality Questionnaire Study

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

School of Family/Nutritional Sciences Research Study

Energy Metabolism. Female volunteers needed, age 27-42 with no history of dieting. Must be able to attend UBC clinic monthly for a short follow-up visit, for 1 year. Call Sara Pare 228-2502.

Retirement Preparation Study

Volunteers concerned about planning their retirement are needed. Study includes a discussion of retirement-related issues. Call Sara Comish 228-5345.

Badminton Club For Faculty/Staff

Thursdays from 8:30-10:30pm and Fridays from 6:30-8:30pm in Gym A of the Robert Osborne Centre. Club dues, \$15 plus library card. Call Bernard 228-6809 or 731-9966.

Duplicate Bridge

Every Wednesday except Dec 19/26. Informal game open to all. Admission of \$2 per person includes coffee/snacks. Faculty Club at 7pm. Call 228-4865.

Fitness Appraisal

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

Agricurl

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

Reading, Writing and Study Skills Centre

Opportunities for Fall include courses in: ECT Mini-Workshops; A Writing Clinic For ESL Students. Call 222-5245.

Memory and Memory Strategies Study

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

Dermatology Study

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

Daily Rhythms Study

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

Diabetic Clinical Study

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

Study For Athlete's Foot

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

Sleep Disorders Study

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

Hypertension in Pregnancy Study

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

Post Polio Study

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

Multiple Sclerosis Study

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

Statistical Consulting and Research Laboratory

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

Surplus Equipment Recycling Facility

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

Sexual Harassment Office

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

Submissions On Race Relations At UBC

Have you had special experiences which will help identify areas to promote sound race relations? Are there any special recommendations that you or your department, unit or group may have devised which will serve as effective models for reference? Submission deadline is Dec. 15/90. Kogila Adam-Moodley, Chairperson, Race Relations Committee. Call 228-4315.

Volunteering

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

Narcotics Anonymous Meetings

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

UBC Fine Arts Gallery Exhibition

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

UBC Fine Arts Gallery Exhibition Symposium

Art, Homophobia, Aids. Call 228-2759.

You Can't Take It With You

Performance. John Wright, director. Nov. 14-24. Admission: \$7 Students/Seniors, \$10 Adults. Preview Wednesday 2 for \$10 at Frederic Wood Theatre. Call 228-2678.

Neville Scarfe Children's Garden

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

Botanical Garden

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

Nitobe Garden

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

Advertise in UBC Reports

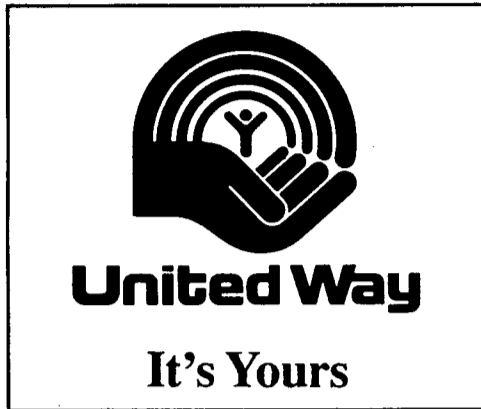
Deadline for paid advertisements for Nov. 29 issue is 4 p.m. Nov. 19

For information, phone 228-3131

To place an ad, phone 228-4775

Will consolidate Native programs

New Longhouse home to First Nations students



Almost there!

By CONNIE FILLETTI

UBC's United Way campus campaign continues to approach its goal of \$240,000, raising \$195,000 to date with the support of more than 1,250 UBC faculty and staff who have already pledged.

Several fundraising activities have also given a boost to this year's campaign.

Among the special events was a highly successful Oktoberfest, staged by Plant Operations on Oct. 19., raising \$700 for the United Way. Proceeds totalling \$100 from Intramurals' annual road run also went to the campus campaign.

Jim Richards, chair of UBC's United Way Campaign, hopes an extension of the drive throughout November will ensure that the university community meets its target.

"This is a very busy time of

year for many people on campus, so we're happy to provide a little extra time to allow people to respond to the United Way appeal," said Richards.

"As university employees, we are comparatively advantaged in our society, and are able to help community charities. How we do that is an individual decision, but donating to the United Way offers many advantages. So if you have not already given, please think or think again about contributing. The amount is not important. Giving a few dollars or a few hundred dollars will make you feel good, and every dollar is important."

Faculty and staff may still return their pledge cards or send a cheque to Financial Services. Payroll deduction is available to most employees and contributions are tax deductible.

Birch tells Smith commission

UBC committed to teaching

By GAVIN WILSON

UBC's contribution to increased access to undergraduate programs in B.C. will be achieved through partnerships with community colleges, a senior administrator told the Commission of Inquiry on Canadian University Education.

Dan Birch, Vice President, Academic, told commission head Stuart Smith that UBC has no plans to increase undergraduate enrolment, but is helping colleges such as Okanagan and Cariboo set degree-granting programs.

The commission is holding cross-Canada hearings to see how the educa-

tional mission of Canadian universities can be revitalized.

Birch said the university can guarantee the quality of the general Arts and Science degrees it offers through the two colleges by hiring faculty and controlling course content through the relevant UBC faculties. In five to 10 years, the colleges will have degree granting authority of their own.

Birch said that despite its increasing emphasis on graduate students and research, UBC has a very strong commitment to maintaining the quality of undergraduate education, a commitment shared by individual faculty members.

He said the university had "worked hard" to maintain the student-faculty ratio and promote faculty development.

Birch also said UBC is "considering very seriously" how tuition fees can be raised without impeding access to the university.

He said low tuition fees may actually serve as a subsidy to those who can readily afford higher education. Increased tuition fees, accompanied by a comprehensive and effective program of financial aid, will enhance the quality of education and make university accessible to those who could not otherwise afford an education, Birch said.

The Smith commission will deliver its report to the AUCC in the fall of 1991, with a public release expected in October or November of that year.

Racism committee seeks campus input

UBC's Committee on Race Relations would like to hear from faculty, staff and students about their experiences with race relations and recommendations for creating a campus that is free of racism.

"We want to hear about existing conditions that create or hinder the development of a fair and equitable climate on campus," said committee chair Kogila Adam-Moodley, who is also director of UBC's Multicultural Liaison Office.

President David Strangway established the committee in August to advise the university on appropriate directions for the development of a university policy on race relations, after incidents in which racist and homophobic remarks were aired on campus.

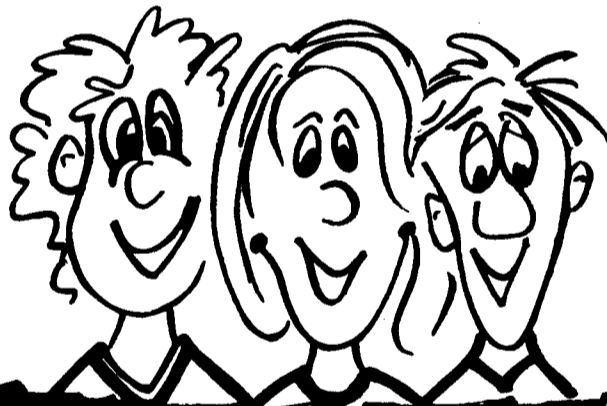
"In addressing this issue, UBC is reaffirming its commitment to ensure that all

members of the university community have the right to freedom from discrimination regardless of race, gender or sexual orientation," Adam-Moodley said.

The committee, made up of faculty, staff and students, would like to know if individuals on campus have had experiences which would help identify areas in which to promote sound race relations, she said.

The committee would also like to receive recommendations from individuals or groups that promote better race relations.

Written submissions, which will be kept confidential, should be sent to Kogila Adam-Moodley, Chair, Committee on Race Relations, Room 119, Old Administration Building, by Dec. 15, 1990. Oral submissions may also be made by contacting Adam-Moodley at 228-4315.



*You're Invited to our Customer Appreciation Day
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People

Sziklai awarded degree from Hungarian university



Sziklai

Professor Emeritus **Oscar Sziklai**, of UBC's Faculty of Forestry, has been awarded an honorary degree from the University of Forestry and Wood Science at Sopron, Hungary.

He was one of 330 forestry students at Sopron who fled to the West in 1956, after the short-lived Hungarian Revolution. A year later, at the Canadian government's invitation, the Sopron division of the Faculty of Forestry was established. The Hungarian students continued their studies at UBC until 1961, when more than 100 students graduated.

Sziklai recently returned from Hungary, where he took part in the first reunion of the Sopron/UBC group, organized after 34 years. He also participated in the Hungarian Plant Breed-

ers Association meeting in Budapest, where he was elected as honorary member.

Lawrence Young, of the Department of Electrical Engineering, has been named the recipient of the 1990 Gold Medal awarded by the Canadian local of the Electrochemical Society.

Young was honored for his significant contributions in the field of electrochemistry and solid state science, particularly for his work related to anodic oxide films.

The medal, awarded every four years, has been presented only twice before. Young received the Callinan award of the Dielectrics Division of the Electrochemical Society in 1983 and has been a Fellow of the Royal Soci-



Young

ety of Canada since 1977.

Alan Artibise, director of the School of Community and Regional Planning, was elected vice-president of the Pacific Rim Council on Urban Development (PRCUD) at its recent conference in Hong Kong.

The council comprises individuals and organizations from the public and private sectors and universities throughout the Pacific Rim. It is dedicated to enhancing the urban development process in the Pacific region.

Artibise is chairing the organizing committee for the council's 1991 meeting, which will



Artibise

be held in Vancouver.

Physical Education Professor **Angelo Belcastro** has been named president of the Canadian Association of Sport Sciences (CASS). Dr. **Don McKenzie**, a Physical Education Associate Professor, was named president-elect.

In addition, **Robert Schutz**, director of Physical Education and Recreation, has stepped down. Schutz completed a three-year term on the executive as president-elect, president and past-president of CASS.

The Canadian Association of Sport Sciences is a voluntary organization composed of professionals interested in and involved in the scientific study of sport and physical fitness. They include sport scientists, medical practitioners and fitness professionals from across the country.

Performance training used in Dentistry

By **ABE HEFTER**

What do Los Angeles Kings' superstar Wayne Gretzky and UBC Den-

tistry students have in common?

More than you might imagine.

Dr. Lance Rucker, Chairman of the

Operative Dentistry Division at UBC, is helping his students take a page out of Gretzky's playbook and apply it to the dental sciences through peak performance training.

"The purpose of peak performance training is to enhance the efficiency and outcome of psychomotor education of dental students," said Rucker. "These are primarily micromotor requirements. We're not talking about sawing logs or hammering nails, we're talking about the use of dental drills and hand instruments inside the mouth with better than one-millimetre accuracy, using mirrors no less."

Rucker said those levels of precision are, by and large, foreign to new students of micromotor skills.

That's where peak performance training comes in.

"Peak performance training teaches people how to apply visualization and imagery to achieve their highest levels of physical, emotional and mental performance. Although the techniques have been applied widely in the worlds of sports and business, until now, they have not been applied to surgery or dentistry."

That's where Gretzky comes in.

"What helps make Gretzky such a successful hockey player is the way he visualizes the play unfolding, even before he takes his first step," said Rucker.

"In dentistry, at some point before you sit down with each patient, you have to see exactly what you are going to do. You must anticipate every possible situation before you even begin. The more graphic that visualization is, the more successful you'll be."

For the past two years, peak performance training has been incorporated into the first-year dentistry program. Studies have shown that students who used the method over a period of only five sessions, at 20 minutes a session, showed a five-per-cent improvement in measurable performance. The students also noted how much calmer and more self-confident they felt as a result of the training.

"The aim of peak performance training isn't to turn every dentistry student into a Wayne Gretzky," Rucker said. "The goal is to bring out the Gretzky in every one of us; the feeling you get when you've done something so well, you don't need anyone to tell you how good it was."

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Classified

Classified advertising can be purchased from Media Services. Phone 228-4775. Ads placed by faculty and staff cost \$6 per insertion for 35 words. Others are charged \$7. Monday, Nov. 19 at 4 p.m. is the deadline for the next issue of UBC Reports which appears on Thursday, Nov. 29. Deadline for the following edition on Dec. 13 is 4 p.m. Monday, Dec. 3. All ads must be paid in advance in cash, by cheque or internal requisition.

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Miscellaneous

CHRISTMAS IN CHINA? Join us and friends on a six city China tour, December 24 - January 6. \$1639 includes air, hotel, guided tours and three meals daily. For more information, call Sandy 731-5452 or 731-1693.

PACIFIC SPIRIT KINDERGARTEN & DAYCARE has Jan. openings avail. Small class ensures quality ind. attention from qualified primary teacher with over 25 yrs. exp. November openings available in the Daycare. Please call 228-5420.

FINDERS FEES: Significant sums to be earned for acting as a business intermediary. Absolutely no experience needed. Earn thousands for simply being the catalyst. Ideal for raising funds for yourself or the needs of charities. Write us for full information. Box 46136 Station G, Vancouver, B.C., V6R 4G5



Photo by Media Services

Lift-equipped UBC Security Services bus at its Main Library departure point.

Campus bus service expanded

By **CONNIE FILLETTI**

UBC Security Services has expanded and improved security bus service to increase the personal safety of students, faculty and staff on campus.

Security bus service is now available from 4 p.m. to midnight, Monday to Friday. Nine people can be accommodated at a time and the bus is also lift-equipped—capable of carrying two wheelchair passengers.

Operated by Security Services Patrol, the bus departs from the Main Library, on demand, providing safe transport to any location on campus.

In addition to the security bus, a shuttle bus service was launched by

Parking Services on Oct. 1. The new service was introduced to provide convenient transportation for people who park in and near the Health Sciences Parkade, but who work at various locations on campus.

Shuttle bus service operates between 8 a.m. and 11:30 p.m., Monday to Friday, while classes are in session. The bus leaves the Health Sciences Parkade on the hour and half-hour, and follows a fixed, clockwise route around the campus.

For more information about either the security bus or shuttle bus service, call Parking and Security Services at 228-4721.

UBC initiates racial education program

By **CHARLES KER**

A new age of racial tolerance in Canada is being fostered through a unique UBC educational program for elementary school students.

Beginning this month, Alternatives to Racism will be promoted across Canada as the only educational series for students in kindergarten to Grade 5 focusing on multiculturalism in society.

Jack Kehoe, a professor in the Faculty of Education, heads the program and is a leading Canadian specialist on multicultural curriculum development.

"The object is to teach kids that whenever they see or meet someone from a different ethnic background, they must not assume anything," Kehoe explained. "The series helps children acquire the skills necessary to accept the diversities that are everywhere."

The program, a series of children's books and accompanying teachers' guides, has received close to \$140,000 in government funding since 1981. Kehoe said it is unique because it breaks from the traditional method of

President announces Killam Research Prizes

Ten faculty members have been awarded the UBC Killam Research Prize for 1990 for excellence in their fields of research.

President David Strangway instituted the annual prize in 1986 to recognize outstanding research achievement within the university.

Recipients are eligible only once for the \$10,000 prize, which may be used for personal or research purposes. Divided equally between the arts and sciences, prize money is drawn from the University Development Fund established by donations from the Killam family.

This year's winners are:

Keith Brimacombe, Metals and Process Engineering, has pioneered the application of fundamental engineering principles to describe and model industrial processing. His research in the continuous casting of steel has made him an internationally



Brimacombe

accepted expert in this field. His research has resulted in significant changes to mould and spray designs throughout the world.

Michael Chandler, Psychology, is viewed as the pre-eminent scholar in research of how a young child develops a "theory of the mind." His early work on children's understanding of other person's perspectives achieved world-wide recognition and became a standard procedure in this area of research. His research in identity development in normal and emotionally disturbed children is also world renowned. A third line of Chandler's research has led to a pilot study inquiring into the concept of wisdom as it is manifested in the folk psychologies of the three West Coast native Indian bands.

Michael Chapman, Psychology, is known internationally for his empirical and theoretical contributions in the field of developmental psychology. His work on cognitive development leads contemporary efforts to integrate Piaget's work with more recent information-processing theories. Chap-

man's research on social development is regarded as being among the most important contributions to modern socialization theory.

Guy Dumont, Electrical Engineering, has made outstanding contributions to the development of adaptive control theory and is an international authority in control systems design and application. He has applied the adaptive control theory to a number of complex industrial processes, most notably, to the pulp and paper industry. Dumont has played a leading role in the formation of the Network of Centres of Excellence in Woodpulp.

Sherrill Grace, English, has helped build a structure of new ideas and approaches in Canadian literary criticism and has applied feminist and comparatist perspectives to contemporary Canadian writing. Recognized as a leading researcher of writer Malcolm



Chapman

Lowry, Grace is currently completing a two-volume critical edition of Lowry's collected letters.

Timothy Parsons, Oceanography, has researched many aspects of marine biology and is recognized for his studies of environmental effects on marine ecosystems. Parsons was recently awarded the Tully Medal by the Canadian Meteorological and Oceanographic Society.

Geraldine Pratt, Geography, has developed new insights into the relationship between gender, class and space in the North American city. Her work has identified assumptions about the similarity of urban neighborhoods that underlie contemporary research on the reproduction of social values.

Leslie Smith, Geological Sciences, is an eminent hydrologist in North America. Smith has contributed significantly to quantitative assessment of the contamination paths and speed of travel of contaminants in groundwater. Smith received the prestigious O.E. Meinzer award of the Geological Society of America in 1984 and this

year the society appointed him Birdsall Distinguished Lecturer. He was also awarded the Macelwane Medal by the American Geophysical Union.



Smith

Barbara Spencer, Commerce, has been one of the leading scholars in international trade theory and policy over the past decade. She is a pioneer in the development of strategic trade policy based on techniques drawn from the industrial organization area. Her work has opened up a new branch of the literature concerned with understanding the implications of government trade and industrial policy.

William Unruh, Physics, has received national and international attention for his work on theoretical cosmology. Additionally, Unruh is recognized for his pioneering work on quantum field theory applied to black holes.

Program promotes "Alternatives to Racism"

Continued from Page 7

simply giving historical information on cultures to students in selected grades.

"Information is not enough," Kehoe said. "It's not right to think that just telling children about other cultures will make them understand and accept them."

Alternatives to Racism encourages students to explore their own cultural heritage by sharing folk rhymes and stories among themselves.

The program's first book, *New Friends*, was published in 1984 for

Grade 2 students. A Grade 3 book, *Folk Rhymes: From Kids to Kids* followed in 1986 and *More Than Meets the Eye*, for Grade Five students, in 1989. The final three books of the series, *Apple's not the Only Pie* (kindergarten), *All the Colors of the Rainbow*, (Grade 1) and *Sheema* (Grade 4), which focuses on Canada's Aboriginal people, will be printed this fall.

Each book builds on the understanding and skills of the previous level with the theme that there are many differences within a cultural

group.

Published at UBC by Pacific Educational Press, *Alternatives to Racism* is widely used on an optional basis in elementary schools across the country. Negotiations are under way to have it adopted as a

compulsory component of the Social Studies Program in British Columbia elementary schools.

Evelyn Neaman, program coordinator, hopes to have materials for a secondary school series completed within three years.

Laser scanners investigated

Study examines health risks to grocery checkout cashiers

By CONNIE FILLETTI

UBC researchers are studying the potential health hazards faced by grocery cashiers due to a new technology widely used at supermarket checkouts.

Laser scanners, which read the Universal Pricing Code (UPC) that identifies almost all grocery products, may cause muscle, nerve and tendon compression disorders in the hand, wrist, upper extremities and backs of cashiers who use them, said Robert Brubaker, principal investigator of the study.

"Technological changes in the workplace have led to increased physical stress, as a result of combined repetitive activity and force in the upper limbs of some workers," explained Brubaker.

He said these changes may contribute to or cause muscle, tendon and nerve disorders, including Carpal Tunnel Syndrome and tendonitis. Symptoms range from mild tingling and numbing, to pain, discomfort and gradual loss of muscle power.

Introduced to Canada in the late 1970s, laser scanners are increasing in

popularity, said Fred Downie, vice-president of Front End Operations for Overwaitea Foods.

"Product does not have to be ticketed with the price, the customer is assured of accuracy and the integrity of our pricing is confirmed," said Downie.

He added that prior to scanning, cashiers had to memorize in-store specials and department information. Now, the information is stored via computer and accessed through UPC.

"Overwaitea is continuing to examine new checkstand designs to reduce and minimize any risks to cashiers," Downie said. "As well, the company has developed a training program to teach cashiers proper scanning methods, in order to avoid repetitive motion injuries."

But Occupational Therapist Catherine Backman, of UBC's School of Rehabilitation Medicine, said the lack of study of new systems, like the laser scanner, during their development phase remains a major problem.

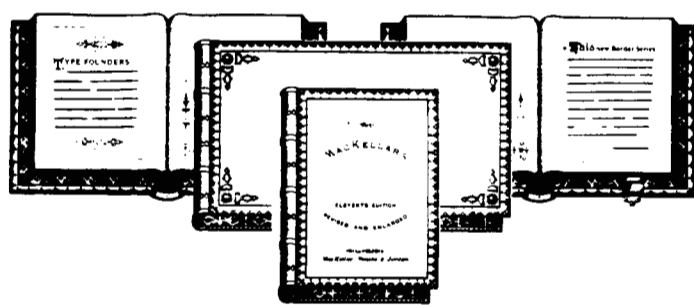
"New checkstand designs consider biomechanical principles and advances in technology in an attempt to reduce problems experienced by cashiers,

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