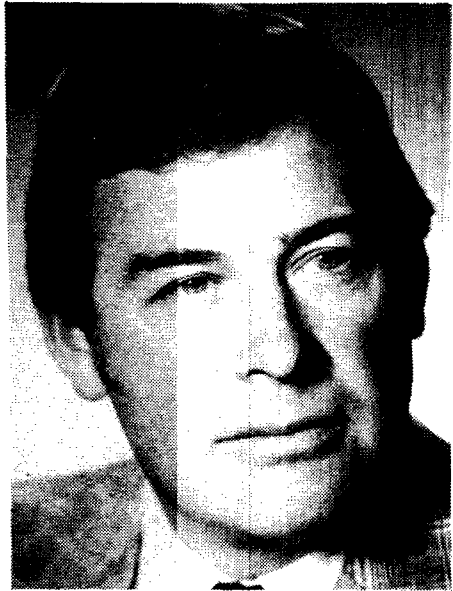


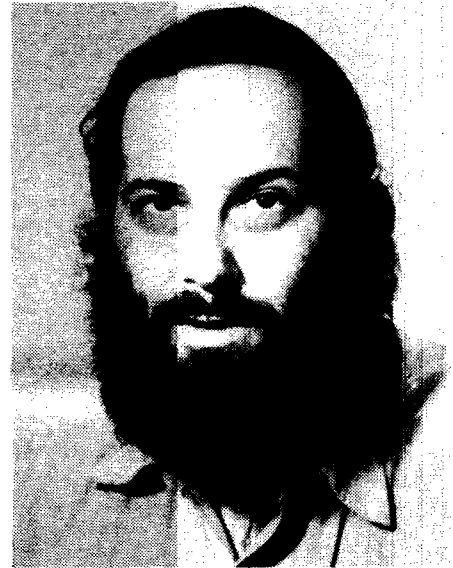
# UBC REPORTS

Volume 29, Number 19

November 2, 1983



Robert Wyman



Stan Persky

## 2 campaign for chancellorship

W. Robert Wyman, the head of one of British Columbia's major investment firms and chairman of the Canadian Chamber of Commerce, has been nominated for chancellor of the University of B.C.

Also seeking the chancellor's job is Stan Persky, the teacher-author-editor who has twice been defeated by J.V. Clyne, the current chancellor. Mr. Clyne is nearing the end of his second three-year term and is therefore ineligible for re-election.

Any person not an employee of a university is eligible for nomination, (providing he/she has seven graduates to act as nominators). All graduates of UBC are eligible to vote through a mail ballot to be conducted early in 1984. Nomination deadline is Nov. 7.

The chancellor, although unpaid, is the University's senior representative and occupies seats on the Board of Governors and the Senate. It is the chancellor who confers degrees on behalf of the university.

Mr. Wyman, a 1956 UBC graduate, is chairman of Pemberton, Houston, Willoughby Inc., one of British Columbia's major investment firms and has recently achieved national prominence as the new chairman of the Canadian Chamber of Commerce.

Mr. Persky, also a UBC graduate, is editor of *Solidarity Times*, the weekly newspaper started by the Solidarity Coalition. He has written two books on provincial politics and one on the Solidarity trade union movement in Poland.

## Walkout won't close University; 'Our obligation is to students'

UBC will remain open if campus unions join the walkout of public service workers that was started yesterday by members of the B.C. Government Employees Union.

"It may not be business as usual," President George Pedersen told *UBC Reports*, "but our first obligation is to our students and we will keep going just as long as is possible."

According to a 'strike timetable' drawn up by the Solidarity Coalition, unions involved with education will join the strike next Tuesday, Nov. 8, if a settlement isn't reached before then.

What such a walkout would mean to the University can't be determined in advance, but UBC policy as regards strikes and picket lines is straightforward:

If you come to work you get paid; if you don't come to work you don't get paid. This applies to all employees, including faculty, union or non-union.

Employees on salary would lose one-twenty-second of their monthly salary for each day away from the job.

President Pedersen said employees who work during a strike are expected to perform only their regular duties in their normal places and times, and are not required to perform duties outside the scope of their employment. He said the rescheduling or relocation of classes to avoid picket lines would not be acceptable.

Although the UBC Faculty Association is a member of the Solidarity Coalition, the association's agreement with the University contains a 'no-strike' clause, which the association says will be honored.

The two largest unions on campus — the Canadian Union of Public Employees (CUPE) and the Association of University and College Employees (AUCE) — both are expected to call upon their members to strike next Tuesday if a request to do so comes from either Solidarity or the B.C. Federation of Labor.

Talks between the unions and the University prior to any job action will determine what parts of UBC operations are to be considered essential. In past labor disputes, union members involved in security, in certain aspects of hospital work, in the care of animals, etc. have remained on the job.

If a withdrawal of services does come, all Food Services outlets on campus, except the dining rooms in Totem Park and Place Vanier, will close. Director Christine Samson said management personnel would keep the residences going for as long as possible.

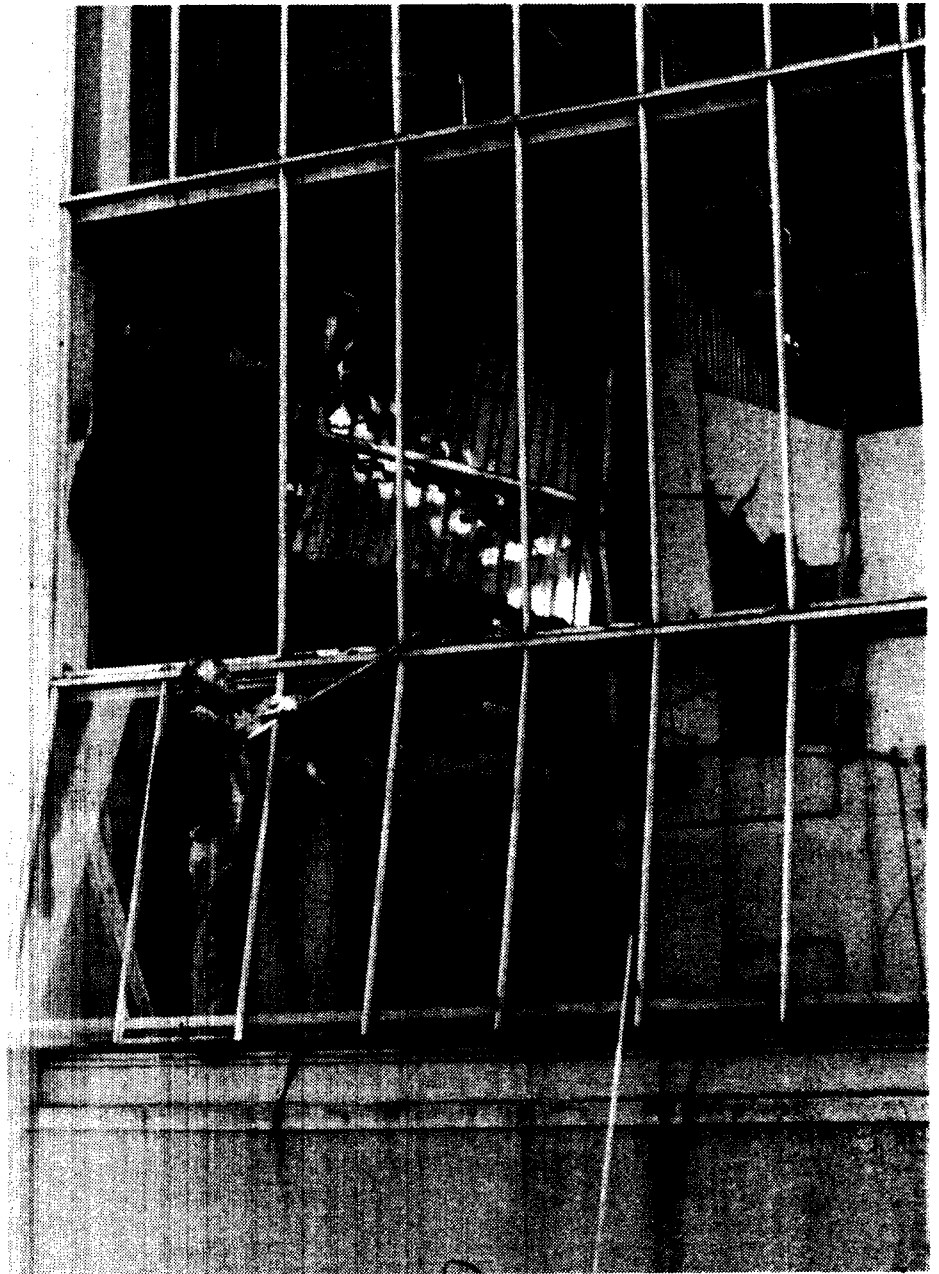
"It wouldn't be too difficult for a day or two, but after that deliveries could be a real problem," she said.

Management and volunteers could also keep the cafeteria open in the Faculty Club, according to manager Ed Puls, but only as long as deliveries were being made.

The Student Union Building would remain open, even though the cafeteria would not.

Manager Jim Bremner said the Aquatic Centre would remain open as long as it could, as would the Graduate Student Centre and the Museum of Anthropology.

Close to 70 BCGEU members work on the UBC campus, including 58 firemen. The fire hall is being picketed, but Chief H.A. Crawford said essential services are being maintained. Telephones are being answered and the firmen are responding to emergencies. The 10 BCGEU employees in the provincial fisheries research lab in the annex of the Institute of Animal Resource Ecology, Main Mall, are picketing only their own work area.



Twisted wreckage of boiler that exploded in UBC's Powerhouse Friday can be seen through plant's broken windows. Physical Plant glazier Fred Laub is knocking loose glass out of window frames.

## Steam plant boiler explodes

The newest and largest of five boilers in the UBC steam plant exploded just before nine o'clock Friday night, causing damage

estimated between \$500,000 and \$1 million.

Exact cause of the explosion has not yet been determined but preliminary indications are that it was a natural gas explosion rather than a steam explosion.

Two power engineers on duty at the time, Karl Heep and Ed Livera, were shaken but not injured by the blast. Mr. Heep immediately shut off the flow of gas to the boiler.

The boiler was rated at 150,000 pounds per hour, which equals the reserve capacity of the steam plant.

Neville Smith, director of Physical Plant, said it had not been determined yet whether the boiler could be repaired. He said it may be necessary to replace it.

The loss is covered by insurance.

## Terrace undergrad gets \$5,000 award

The largest undergraduate award for a single year of study at UBC has been earned by Ann Anson, a single parent from Terrace who is in her third year of rehab medicine.

She is the first recipient of a \$5,000 scholarship awarded by ICBC to help outstanding students of physical therapy.

Ms. Anson was the unanimous choice of the selection committee, which assessed applicants on the basis of scholastic achievement, financial need and involvement in University affairs.



Dr. John Hayward (left) and Dr. John Brown display medals

## Prof, grad get medals

A UBC faculty member and a UBC graduate have won two of the three gold medals awarded annually by the B.C. Science Council for outstanding achievements in the natural, applied and health sciences.

Awarded the 1983 gold medal in the health sciences is Dr. John Brown of the Department of Physiology in UBC's medical faculty, leader of a research group that has discovered two hormones that regulate the gastro-intestinal tract.

A second medal went to Dr. John Hayward of the Department of Biology at the University of Victoria for research and development of a thermal flotation jacket, manufactured in Richmond, which helps prevent the loss of body heat when the wearer is immersed in cold water.

Dr. Hayward graduated from UBC in 1958 with the degree of Bachelor of Science in zoology and later returned to the campus for studies which led to his Ph.D. in comparative physiology in 1964.

GIP, one of the two hormones discovered by Dr. Brown at UBC, functions as an inhibitor of gastric acid secretion and as a signaler to the pancreas in the regulation of the secretion of insulin.

Motilin, the second hormone discovered by the UBC group, regulates contraction of the muscles of the gut and has been found in the cells of the brain as well as the small intestine.

Dr. Brown has received numerous awards for his work over the past decade, including UBC's top research prize, the Jacob Biely Research Prize, as well as the Ernst Oppenheimer Award of the U.S. Endocrinology Society and the MacLaughlin Medal of the Royal Society of Canada.

Dr. Brown was awarded the honorary degree of Doctor of Science in 1977 by the University of Newcastle in England, where he received his Ph.D. degree in 1964. He was elected a fellow of the Royal Society of Canada in 1980.

## UBC the next Beachcombers?

UBC could soon become the best-known university in Canada.

It all hinges on audience response to two pilot episodes of a new CBC television series that will be shot on campus in November.

If the episodes succeed, UBC will become as familiar to Canadians as, say, Gibson's Landing, the setting for *The Beachcombers*.

The proposed series, in fact, is a spin-off from *The Beachcombers*, featuring one of that series' most popular characters, Constable John Constable. Constable John, played by Jackson Davies, is attached to the RCMP's University detachment, lives in Kits, sails in English Bay, hates the Toronto Maple Leafs, and likes cooking.

The crew from *The Beachcombers* that will be shooting the episodes include at least two UBC alumni, Mr. Robert

Frederick, producer, and Mr. Nick Orchard, production manager. Both are graduates of the theatre department's film program.

*The Beachcombers* is the most successful television series in Canadian history but after 12 years of production will inevitably come to an end. Constable John Constable is an attempt to establish a new and younger series for the national network from the Vancouver offices of the CBC.

About two million Canadians watch *The Beachcombers*, and it has been seen by many additional millions in 45 other countries. *The Beachcombers* has had a major impact on the tourism industry of the province.

(In his spare time, Constable John is a UBC student taking — you guessed it — film and theatre courses.)

## Pedersen calls for better planning

Universities must plan better for the future, President George Pedersen of UBC said in a recent speech.

Speaking to the convocation of the Society of Management Accountants on Oct. 22, Dr. Pedersen said there is a very great need for educational institutions to solicit the cooperation of business, industry and other economic and occupational groups in planning programs that society will require in the years ahead.

In an address entitled "Between a Rock and a Hard Place: The Public Interest and the Need for Restraint", the president said levels of public spending are being lowered deliberately throughout the western world, and this was difficult to argue against, since "our social spending and public debt has reached frightening proportions."

He said, however, that it is difficult for the universities to cut back but at the same time maintain programs that will be essential in Canada's future.

"It is true that we can, at least in the short run, increase our political capital by making dramatic cutbacks," Dr. Pedersen said. "But is this the right thing to do when we know that some of the programs we eliminate will be of fundamental importance to our own economic survival in the near future?"

"We are caught between a rock and a hard place in trying to safeguard the public interest in this respect."

He said that because nobody knows which research and scholarship will produce the most valuable results in the future, it is "almost impossible" to know which areas should be saved and which not.

"There may be no 'good' or 'best' answer

to this dilemma," the president said.

"We may well have to just keep on 'muddling through' as public and private organizations tend to do in difficult times. However, I think there are some positive steps that the universities can take that may result in a slightly better future for us all."

"One thing we can do — and I believe that this is essential — is to try to plan better for the future and not just to plan by ourselves in isolation from the world around us. There is a very great need for educational institutions and agencies at all levels to solicit the cooperation of business, industry, and the other major economic and occupational groups in planning the kinds of educational and training programs that we will require as a society in the years ahead."

"Over the last decade, we have made some important moves in this regard, but there is still much to be done if we are going to prepare properly for the future and if we are to achieve the educational and technical leverage necessary to promote and maintain healthy economic growth."

"This means, of course, that we must help business and industry make their human resources, management, technical, and other needs known to us so that we can undertake programs to see that those needs are met. In the future, I can see that we will be involved in many kinds of joint undertakings. Such endeavors will be good for higher education and, I think, for the world outside the university walls."

"It is also imperative, I believe, that the University exhibits greater leadership in addressing some of the broader problems in public schooling."

"The quality of public schooling, we have come to recognize, is a crucial factor not only in determining the life-chances of an individual but also the economic future of nations."

"In Canada, perhaps we have yet to fully appreciate the national importance of excellence in education. Historically, at least, we have always been somewhat tardy in exploiting the advantages to be gained from knowledge and somewhat indifferent to the need for research and development in education and in industry."

## Pulp centre head named

Dr. Richard J. Kerekes has been appointed director of the UBC Pulp and Paper Centre to be built at the corner of East Mall and Agronomy Road.

Dr. Kerekes is an honorary professor in UBC's Department of Chemical Engineering and is a division director in the Pulp and Paper Research Institute of Canada (PAPRICAN).

The \$6-million centre will be for graduate student research and education related to the pulp and paper industry. In addition to student research, the building will house a pulp and paper library and teaching laboratories. The industry will provide approximately \$1 million a year toward the operational costs of the centre.

Planning funds for the building were approved last spring by the provincial government. Working drawings are now in preparation.

Dr. Kerekes arrived at UBC in November, 1978, to establish the collaborative postgraduate program between PAPRICAN and UBC. He and his group are currently housed in the Department of Chemical Engineering. The postgraduate program was recently extended to the Department of Electrical Engineering by the transfer of Dr. Guy Dumont of PAPRICAN to UBC.

The centre is not to be confused with another PAPRICAN project, a \$15-million staff research facility funded by the federal government, which will be built as part of UBC's Discovery Park, south of the B.C. Research building on Wesbrook Mall.

## Shrum Bowl called off

The Shrum Bowl — the annual football game for charity between UBC Thunderbirds and SFU Clansmen — will not be played this year.

The game had been tentatively scheduled for Nov. 30 at B.C. Place Stadium, with proceeds going to the United Way.

The Western Intercollegiate Football League has ruled, however, that UBC must not play the game because it would be in direct contravention of rules 10 and 26 of the WIFL. Rule 10 says a member team may play a maximum of 10 games a season, excluding playoffs, and the Shrum Bowl would have been the 11th game for UBC. Rule 26 says no games will be played on or after the weekend of the Vanier Cup for the Canadian intercollegiate championship, scheduled this year for Nov. 19.

UBC has won four of the past five Shrum Bowls.

## Educators not a protected species, says President

Institutions of public education may not survive in their present form, UBC President George Pedersen told a public meeting at Okanagan College in Kelowna yesterday.

Dr. Pedersen, who earlier yesterday addressed the Kelowna Rotary Club, said that the process of learning "more and more may occur in the home or in the office, away from the structure of the classroom or the college or university campus."

The president said the public is "not at all convinced" about the value of

traditional approaches to education.

"This lack of support, together with new systems for delivering and packaging educational programs, may well mean an end to some of our long-standing ideas about what schools, colleges, and universities should be."

"Let me put this another way. If basic educational services and instructional programs can be delivered efficiently through new technical systems, why should the public continue to support what some feel to be overly-expensive educational

institutions?"

"In short, we may speculate that there are social, economic, and technological forces that could dramatically alter the character and activities of public education by the year 2000."

"To be sure, not all of these possibilities may come to pass. But I think it would be myopic of us to close our eyes and pretend that such possibilities do not exist, or that as educators we are somehow a protected species — for this is clearly not the case."

"Already, one hears murmurings among

leading educational and social thinkers that the wholesale privatization of public education is not an impossibility and that some dramatic restructuring of the educational enterprise must take place if public education is to be reformed."

"Ultimately, what I am saying, I suppose, is that unless we can continue to prove our value to society, and unless we can find ways to encourage excellence in public education at all levels, we will find ourselves extremely vulnerable to the forces outside our institutions."

# UBC CALENDAR

## Calendar Deadlines

For events in the weeks of Nov. 20 and 27, material must be submitted not later than 4 p.m. on Thursday, Nov. 10. Send notices to Information Services, 6328 Memorial Road (Old Administration Building). For further information, call 228-3131.

## The Vancouver Institute.

**Saturday, Nov. 5**  
The Impending Crisis in Forestry. Dr. W.E. Hillis, Chief Research Scientist, Commonwealth Scientific and Industrial Research Organization, Australia.

**Saturday, Nov. 12**  
AIDS: A Medical and Social Problem. Dr. Kevin Cahill, Lenox Hill Hospital, New York, and the New Jersey College of Medicine.

Both lectures in Lecture Hall 2 of the Woodward Instructional Resources Centre at 8:15 p.m.

## SUNDAY, NOV. 6

### Symphony Orchestra.

UBC Symphony Orchestra and the Vancouver Youth Symphony Orchestra play music of Debussy, Liszt, and Roy Harris. Barrie Barrington, piano. Conducted by Gerard Schwarz. Tickets \$4 regular, \$2 students and seniors. For further information, call the Vancouver Youth Orchestra, 875-1664, or UBC music department, 228-3113. Old Auditorium. 2:30 p.m.

## MONDAY, NOV. 7

### Legislation Lecture.

An Overview of the Residential Tenancy Legislation. George Klippert, Law, UBC. Third of a series of four free lectures focusing on recent B.C. legislation. Robson Square Media Centre. 12 noon.

### Cancer Research Seminar.

The Effect of Stem Cell Loss on Development of Stable Chemotherapeutic Resistance: A Mathematical Approach. Andrew J. Goldman, Epidemiology, Biometry and Occupational Oncology. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

## German Conversation.

Mahlzeit! German Conversation. Bring your own lunch. Everyone welcome. International House. 12:30 p.m.

## Mechanical Engineering Seminar.

Hydrodynamic Coefficients for Axisymmetric Objects. J. Chan, Mechanical Engineering, UBC. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

## The Pedersen Exchange.

An opportunity for members of the University community to meet with President George Pedersen to discuss matters of concern. Persons wishing to meet with Dr. Pedersen should identify themselves to the receptionist in the Librarian's office, which is immediately to the left of the main entrance to the Main Library Building. 3:30 to 5 p.m.

## Applied Mathematics Seminar.

Baroclinic Amplitude Vacillation. Dr. Philip G. Drazin, Mathematics, University of Bristol, England. Room 229, Mathematics Building. 3:45 p.m.

## Biochemical Discussion Group Seminar.

The Biosynthesis of Teichuronic Acid: The Cell Wall Polysaccharide of *Micrococcus* Species. Dr. John Anderson, Biochemistry, University of Minnesota. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

## Zoology Physiology Group Seminar.

Blood Cell Transit through the Lungs. Dr. J.C. Hogg, Respiratory Division, St. Paul's Hospital. Room 2449, Biological Sciences Building. 4:30 p.m.

## TUESDAY, NOV. 8

### Botany Seminar.

The Flavenoids of *Menziesia* — Cryptic Pattern or no Pattern at all? B. Bohm, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

### Forestry Seminar.

Panel Discussion on Forestry in Ontario. Drs. J.H.G. Smith, O. Sziklai, J. Crane, Forestry, UBC. Room 166, MacMillan Building. 12:30 p.m.

### Practical Writing Lecture.

John Frazee, president of Finning Tractor and Equipment Company Ltd., will speak on Written Communication in Business. Room A106, Buchanan Building. 12:30 p.m.

### Accounting Workshop.

The Derived Demand for Consolidated Financial Reporting. Prof. Greg Whittred, Accountancy, University of New South Wales. Penthouse, Angus Building. 2:30 p.m.

## Oceanography Seminar.

Reconstruction of Catch and Escapement Data: Assessing the Effects of Enrichment on Great Central Lake Sockeye. Dr. Kim Hiatt, Pacific Biological Station, Nanaimo, B.C. Room 1465, Biological Sciences Building. 3 p.m.

## Biochemical Discussion Group Seminar.

Studies on Two Genes Amplification Systems in CHO Cells. Dr. Lou Siminovitch, Hospital for Sick Children, University of Toronto. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

## Chemistry Lecture.

Zero Field Nuclear Magnetic Resonance. Prof. Alex Pines, Chemistry, University of California, Berkeley. Room 250, Chemistry Building. 4 p.m.

## Ophthalmology Seminar.

Monoclonal Antibodies and Genetic Engineering as Probes for Basic and Clinical Research in Ophthalmology. Dr. Dominic Man-Kit Lam, Houston, Texas. Auditorium, Eye Care Centre, 2550 Willow Street. 4:30 p.m.

## Pacific Rim Lecture.

Japanese Tourism in Western Canada. Dr. Clyde Weaver, School of Community and Regional Planning, UBC. Room 604, Asian Centre. 4:30 p.m.

## Family Housing Film.

*Blackbeard's Ghost*. Auditorium, Student Union Building. 6:30 p.m.

## WEDNESDAY, NOV. 9

### Pharmacology & Therapeutics Seminar.

Vasopressin and Blood Pressure Control. Dr. C.C.Y. Pang, Pharmacology & Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

### Poetry Reading.

Canadian poet Fred Wah. Room B312, Buchanan Building. 12:30 p.m.

### Noon-Hour Concert.

The Unshamed Transcriber. George Zukerman, bassoon. Recital Hall, Music Building. 12:30 p.m.

### Ethnic Studies Lecture.

A Social-Psychological Analysis of Canada's Multiculturalism Policy. Prof. John W. Berry, Psychology, Queen's University. Room A203, Buchanan Building. 12:30 p.m.

### Ophthalmology Seminar.

Functional Organization and Development of the Vertebrate Retina. Dr. Dominic Man-Kit Lam, Houston, Texas. Meeting Room F167, Acute Care Unit, Health Sciences Centre Hospital. 1:30 p.m.

## Chemical Engineering Seminar.

Tracer Techniques. William Goldblatt, Chemical Engineering, UBC, and Dissolved Air Flotation for Oil Removal. Isabelle Fusey, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 2:30 p.m.

## Geography Colloquium.

Western Canada's Pacific Rim Trade. R. Hayter. Geography, SFU. Room 201, Geography Building. 3:30 p.m.

## Statistics Workshop.

Estimating Conditional Heteroscedasticities. Dr. Dilip Madan, Economics, University of Maryland. Room 223, Angus Building. 3:30 p.m.

## Economic Theory Workshop.

Existence of Variable Goods Aggregates in a Competitive Economy. Charles Blackorby and William Schworm, Economics, UBC. Room 351, Brock Hall. 4 p.m.

## Geophysics Seminar.

Conductive Structures under the Rocky Mountains Main Ranges and Trench. Prof. D.I. Gough, Institute of Earth and Planetary Physics, University of Alberta. Room 260, Geophysics and Astronomy Building. 4 p.m.

## Animal Resource Ecology.

Similarities in Energy Budgets and Life History Patterns of Animal Populations. Dr. David Lavigne, Zoology, University of Guelph. Room 2449, Biological Sciences Building. 4:30 p.m.

## Frederic Wood Theatre.

Opening night of William Shakespeare's *Love's Labour's Lost*. Continues until Nov. 19 (except Sunday). For ticket information, call 228-2678. Frederic Wood Theatre. 8 p.m.

## Men's Basketball.

UBC vs. SFU. War Memorial Gym. 8:30 p.m.

## THURSDAY, NOV. 10

### Pharmaceutical Sciences Seminar.

The Perinatal Role of Carnitine. Dr. Peter Hahn, Developmental Medicine, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

### UBC Chamber Strings.

Music of Vivaldi, Mozart and Suk, directed by John Loban. Recital Hall, Music Building. 12:30 p.m.

### Co-operative Education Meeting.

Information meeting for students in first-year Science, Forestry, Applied Science and Agricultural Sciences who are interested in gaining study-related work experience. Room 200, Computer Sciences Building. 12:30 p.m.

### Asian Research Film.

Maureen Forrester in China. Free admission. Auditorium, Asian Centre. 12:30 p.m.

### Educators for Nuclear Disarmament.

Pauline Jewett, M.P. on The New Arms Race or New Ways of Thinking? and film *Voyage of the Pacific Peacemaker*. Hebb Theatre. 12:30 p.m.

### Plant Science Seminar.

Epigenetic Change in Plants. Danielle Donnelly, SFU. Room 342, McMillan Building. 12:30 p.m.

### Condensed Matter Seminar.

Anomalous X-Ray Diffraction and the Study of Liquid Structures. William Warburton, Synchrotron Radiation Laboratory, Stanford. Room 318, Hennings Building. 2:30 p.m.

### Physics Colloquium.

Monopoles and How You Would Find Them. Stephen Parke, Stanford Linear Acc. Room 201, Hennings Building. 4 p.m.

### SUB Films.

*Mary Poppins*. Continues until Nov. 13 with shows at 7 p.m. on Thursday and Sunday and at 7 and 9:30 p.m. on Friday and Saturday. Auditorium, Student Union Building. 7 p.m.

### Leisure and Cultural Studies Seminar.

Ideology and the Discourse of the Bodily Professions. Jean Harvey, University of Paris. Sponsored by the Leisure and Cultural Studies Workgroup, School of Physical Education and Recreation, UBC. Faculty Lounge, War Memorial Gym. 7:30 p.m.

## FRIDAY, NOV. 11

### Remembrance Day — University closed.

Remembrance Day Service. Address will be given by President George Pedersen. Scripture will be read by Allan Russell of The War Amputations of Canada, and the service will be conducted by G. Howard Turpin of Vancouver Community College. Music by the UBC Brass Quintet. Foyer, War Memorial Gymnasium. 10:45 a.m.

Continued on Page 4

# GRANT DEADLINES

Faculty members wishing more information about the following research grants should consult the Research Services Grant Deadlines circular which is available in departmental and faculty offices. If further information is required, call 228-3652 (external grants) or 228-5583 (internal grants).

## December (application dates in brackets)

- Agriculture Canada — Operating Grant (1)
- Agriculture Research Council of Alberta — Farming for the Future (1)
- American Chemical Society: PRF — Research Type AC (1)
- American Council of Learned Societies — Mellon Fellowships for Chinese Studies (1)
- American Council of Learned Societies — Eastern European Studies Grant (1)
- Grants-in-Aid (15)
- Assoc. of Commonwealth Universities — Commonwealth Medical Fellowships (31)
- Baker, E.A. Fdn. for Prevention of Blindness — Fellowship (15)
- Research (15)
- Canada Council: Arts Awards — Visiting Foreign Artists (15)
- Canadian Cancer Society — McEachern Fellowships (1)
- Canadian Fedn. of Univ. Women — Graduate Fellowships for Women (15)
- Canadian Life & Health Insurance Assoc. Inc. — Medical Scholarships (15)

- Canadian Lung Association — Fellowship (15)
- Research (15)
- Cattell, James McKeen Fund — James McKeen Cattell Sabbatical Award (1)
- Damon Runyon-Walter Winchell Cancer Fund — Cancer-directed Fellowship (15)
- Postdoctoral Fellowship Grant (15)
- Deutscher Akadem. Austauschdienst (DAAD) — Study Visits of Foreign Academics (1)
- Donner Canadian Foundation — Program and Research (1)
- Environment Canada: Atmospheric Envir. — Science Subvention Program (31)
- Environment Canada: Inland Waters Dir. — Water Resources Research Support Program (3)
- Fisheries and Oceans Canada — Science Subvention Program (1)
- Hamilton Foundation — E.B. Eastburn Fellowship Fund (31)
- Health & Welfare Canada: NHRDP Projects — NHRDP Demonstration Projects (1)
- NHRDP Preliminary Development Projects (1)
- NHRDP Research Grant (1)
- NHRDP Studies (1)
- Health & Welfare Canada: Welfare — National Welfare Grant (15)
- National Welfare: Manpower Utilization Grant (15)
- National Welfare: Research Group Development (15)
- Human Nutrition Research Council — Research Fellowship (1)
- Huntington Society of Canada — Postdoctoral Fellowship (31)
- Research in Huntington's Disease (31)
- International Agency for Research on Cancer — Fellowship for Cancer Research Training (31)
- International Union Against Cancer — Yamagiwa-Yoshida Int'l Cancer Study Grants (31)

- Japan Foundation — Fellowship Programs (1)
- Institutional Project Support Programs (1)
- Research Program (1)
- Malignant Hyperthermia Assoc. — Grant-in-Aid (15)
- MRC: Awards Program — Centennial Fellowship (1)
- MRC Fellowship (1)
- Visiting Scientists (1)
- MRC: Special Programs — INSRM/MRC Exchange (1)
- MRC: Grants Programs — Biotechnology Development (1)
- National Museum of Man — Research Contract (1)
- National Research Council (Intl. Relations) — Natl. Recherche Scientifique-France Exchange (31)
- North Atlantic Treaty Organization — Senior Scientist Program (15)
- Secretary of State — Canadian Ethnic Studies Program: Professorships (15)
- Canadian Ethnic Studies: Research (15)
- Social Science Res. Council (US) — International Research (1)
- SSHRC: Research Commun. Div. — Program of Aid to Associations (Societies) (15)
- Transport Canada — Negotiated Research Contributions (1)
- University of British Columbia — Arctic & Alpine Research Grants (12)
- Woodward's Fdn. (Mr. & Mrs. P.A.) — Foundation Grants (1)
- World University Services — Awards to Foreign Nationals: Fellowships (1)

Note: All external agency grant requests must be signed by the Head, Dean, and Dr. R.D. Spratley. Applicant is responsible for sending application to agency.

# UBC CALENDAR

Continued from Page 3

## SATURDAY, NOV. 12

### Family Housing Film.

*Blackbeard's Ghost*. Auditorium, Student Union Building. 3 p.m.

### Men's Basketball.

UBC vs. SFU. War Memorial Gym. 8:30 p.m.

## MONDAY, NOV. 14

### Legislation Lecture.

Restraint Legislation and Labor Relations. Dr. Mark Thompson, Commerce, UBC. Last of four free lectures focusing on recent B.C. legislation. Robson Square Media Centre. 12 noon.

### Cancer Research Seminar.

Gene Amplification as a Mechanism for Initiation/Promotion in Cancer. Dr. Marty Pall, Genetics, Washington State University, Pullman, Washington. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

### Germanic Studies.

Mahlzeit! German Conversation. Bring your Lunch. Everyone Welcome. International House. 12:30 p.m.

### The Pedersen Exchange.

An opportunity for members of the University community to meet with President George Pedersen to discuss matters of concern. Persons wishing to meet with Dr. Pedersen should identify themselves to the receptionist in the Librarian's office, which is immediately to the left of the main entrance to the Main Library Building. 3:30 to 5 p.m.

### Mechanical Engineering Seminar.

Automatic Programming of a Welding Robot. R. Buchal, Mechanical Engineering, UBC. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

### Applied Mathematics Seminar.

Colligation Methods for Singular Perturbation Problems. Dr. Uri Ascher, Computer Science, UBC. Room 229, Mathematics Building. 3:45 p.m.

### Zoology Physiology Group Seminar.

Central Chemoreceptors and the Regulation of Fetal Breathing Movements. Dr. John M. Bissonnette, Obstetrics & Gynecology, Oregon Health Sciences University. Room 2449, Biological Sciences Building. 4:30 p.m.

## TUESDAY, NOV. 15

### Forestry Seminar.

Shoot Morphology and Productivity of Conifers. Dr. J. Leverenz, University of Washington, College of Forest Resources. Room 166, MacMillan Building. 12:30 p.m.

### Botany Seminar.

Evolutionary Conservation of the Cyclic AMP Control System: Evidence from *Neurospora* and other Lower Eukaryotes. M.L. Pall, Washington State University, Pullman, Washington. Room 3219, Biological Sciences Building. 12:30 p.m.

### Electrical Engineering Seminar.

Harmonic Reduction in Static Reactive Power Compensators Using Sequence Control. Prof. G.K. Dubey, Electrical Engineering, Indian Institute of Technology, Kanpur, India. Room 402, Electrical Engineering Building. 1:30 p.m.

### Accounting Workshop.

Comparative Value of Accounting Reports for a Simple Manufacturing Firm. Prof. Amin Amershi, Commerce, UBC. Penthouse, Angus Building. 2:30 p.m.

### Cecil H. and Ida Green Lecture.

All Roads Lead to Steel - But are they Ever Different. Prof. Ursula Franklin, Metallurgy and Materials Science, University of Toronto. Room 317, Metallurgy Building. 3:30 p.m.

### Oceanography Seminar.

Oceanography of New Zealand Fjords. Dr. B.R. Stanton, New Zealand Oceanographic Institute. Room 1465, Biological Sciences Building. 3 p.m.

### Chemistry Lecture.

Multiple Bonding Between the Heavier Main-Group Elements. Prof. Alan H. Cowley, Chemistry, University of Texas, Austin, Texas. Room 250, Chemistry Building. 4 p.m.

### Zoology Seminar.

Looking at the World Through Neural Crest Colored Glasses. Carl Gans. Room 2000, Biological Sciences Building. 4:30 p.m.

### Pacific Rim Lecture.

China's New Economic Directions: Policies, Problems, Prospects. Dr. Paul Lin, research associate, Institute of Asian Research, UBC. Room 604, Asian Centre. 4:30 p.m.

### Gerontology Lecture.

Chemistry of Aging: Neurotransmitters and Alzheimer Type Dementia. Dr. Edith G. McGeer, Psychiatry, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 7 p.m.

## WEDNESDAY, NOV. 16

### Obstetrics & Gynaecology Seminar.

Cardiovascular Control of Vasopressin Release. Dr. Nadine Wilson, Physiology, UBC. Room 2N9, Grace Hospital. 12 noon.

### Anatomy Seminar.

A Quantitative Fluorescent Cytochemical Assay for Enzymes on the Surface of Living Cultured Cells. Dr. S. Myrdal, Anatomy, UBC. Room 37, Block B, Medical Sciences Building. 12:30 p.m.

### Pharmacology & Therapeutics Seminar.

Release of Noradrenaline Induced by Veratridin. Dr. V. Palaty, Anatomy, UBC. Room 317, Block C, Medical Sciences Building. 12:30 p.m.

### Committee on Science, Technology and Society.

Conference Reports by S. Straker, History, F. Fisher, Education and A. Thompson, Westwater Research and Law. Salon F, Faculty Club. 12:30 p.m.

### Ethnic Studies Lecture.

Multiculturalism, Good or Bad? A Linguist's Perspective. Prof. Bernard Saint-Jacques, Linguistics, UBC. Room A203, Buchanan Building. 12:30 p.m.

### Noon-Hour Concert.

Sarah Cunningham, Viola da Gamba, and Mitzi Myerson, Harpsichord. Recital Hall, Music Building. 12:30 p.m.

### Geography Colloquium.

Prehispanic Wetland Agriculture in Veracruz, Mexico. A. Siemens, Geography, UBC. Room 201, Geography Building. 3:30 p.m.

### Marketing Workshop.

Organizational/Political Dimensions of Consumer Pressure Groups. Prof. James D. Forbes, Commerce, UBC. Penthouse, Angus Building. 3:30 p.m.

### Preventive Medicine Seminar.

Health Promotion in the Ministry of Health. Clair Buckley, Health Promotion, B.C. Ministry of Health. Room 112, James Mather Building. 4 p.m.

### Animal Resource Ecology Seminar.

Economics Versus Ecology? Dr. Colin Clark, Mathematics, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

### Comparative Literature Colloquium.

Translating Emily Dickinson: Theory and Practice. Chantal de Grandpre. Penthouse, Buchanan Building. 4:30 p.m.

### Faculty Club.

Pre-Senate dinner buffet. Reservations required. Faculty Club. 5:30 p.m.

## THURSDAY, NOV. 17

### Psychiatry Lecture.

The Use of Tricyclic Antidepressants in the Treatment of Insomnia. Dr. Catesby Ware, Sleep Disorders Centre, San Antonio, Texas. Room 2NA/B, Psychiatric Unit, Health Sciences Centre Hospital. 9 a.m.

### Educators for Nuclear Disarmament.

What is Wrong with Deterrence? George Hermanson, University Campus Ministry. Hebb Theatre. 12:30 p.m.

### Pharmaceutical Sciences Seminar.

Biochemical & Functional Abnormalities in the Diabetic Rabbit. Shabir Bhimji, Pharmaceutical Sciences, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

### Plant Science Seminar.

Anther Culture in Crucifers as a Breeding Tool. Dr. W. Anderson, N.W. Washington Research and Extension Centre, Mt. Vernon, Washington. Room 342, MacMillan Building. 12:30 p.m.

### UBC Choral Union.

Directed by James Schell. Recital Hall, Music Building. 12:30 p.m.

### Condensed Matter Seminar.

Multiple-Quantum NMR Spectroscopy. Gary Drobny, University of Washington. Room 318, Hennings Building. 2:30 p.m.

### Cecil H. and Ida Green Lecture.

The Organization of Bronze Production in Early China. Prof. Ursula Franklin, Metallurgy and Materials Science, University of Toronto. Room 205, Anthropology and Sociology Building. 3:30 p.m.

### Biomembrane Discussion Group Seminar.

Models of Cell Adhesion. Dr. George Bell, Theoretical Biology, Los Alamos National Laboratories. Lecture Hall 3, Woodward Instructional Resources Centre. 4 p.m.

### Physics Colloquium.

New Light on Old Dirt. David Huntley, SFU. Room 201, Hennings Building. 4 p.m.

### SUB Films.

*War Games*. Continues until Nov. 20 with shows at 7 p.m. on Thursday and Sunday and at 7 and 9:30 p.m. on Friday and Saturday, Auditorium, Student Union Building. 7 p.m.

### Women's Basketball.

UBC vs. Seattle Pacific University. War Memorial Gym. 7:30 p.m.

### UBC Collegium Musicum.

Music of the 15th century directed by John Chappell. Recital Hall, Music Building. 8 p.m.

## FRIDAY, NOV. 18

### UBC Collegium Musicum.

Music of the 15th century directed by John Chappell. Recital Hall, Music Building. 12:30 p.m.

### Leon and Thea Koerner Lecture.

The Guild Culture of Medieval Italy: A Political Language in Search of a Theory. John Najemy, Cornell University. The lecture is part of a two-day Medieval Studies workshop being held Nov. 18 and 19 on the campus. For details of the workshop, see the notices section of this Calendar. Room A102, Buchanan Building. 12:30 p.m.

### Medical Genetics Seminar.

New Advances in Retinoblastoma. J. Carruthers. Parentcraft Room, Grace Hospital. 1 p.m.

### Finance Workshop.

Term Structure. Prof. Eduardo Schwartz, Commerce, UBC. Penthouse, Angus Building. 3:30 p.m.

### Cecil H. and Ida Green Lecture.

The Chineseness of Chinese Technology: Reflections on Ancient Bronze Casting. Prof. Ursula Franklin, Metallurgy and Materials Science, University of Toronto. Auditorium, Asian Centre. 3:30 p.m.

### Linguistics Colloquium.

Some Disturbing Ideas about Second Language Acquisition. Bernard Saint-Jacques, Linguistics, UBC. Room D224, Buchanan Building. 3:30 p.m.

### Women's Volleyball.

UBC vs. University of Lethbridge. War Memorial Gym. 6 p.m.

### International House.

Pot-luck dinner featuring food from around the world. Bring a main course dish. For reservations, call 228-5021. International House. 6:30 p.m.

### Faculty Club.

Wine tasting and gourmet dinner. Wine tasting is \$9.50 per person, dinner is \$17.50. Reservations required. Faculty Club. 6:30 p.m.

### Lecture/Discussion.

The Invisible University: The Joys and Benefits of Using your Mind for All it's Worth. Ronald Gross, author of *The Independent Scholar's Handbook*. Cost is \$4; \$3 for students and free to those attending a workshop on Saturday, Nov. 19 with Ronald Gross. To register for either event, call 228-5261. Lecture Hall 6; Woodward Instructional Resources Centre. 8 p.m.

### Hockey.

UBC vs. Calgary Dinosaurs. Thunderbird Winter Sports Centre. 8 p.m.

### UBC Choral Union.

Directed by James Schell. Recital Hall, Music Building. 8 p.m.

### Volleyball.

UBC vs. Lethbridge Pronghorns. War Memorial Gym. 8:30 p.m.

## SATURDAY, NOV. 19

### Therapy Workshop.

A two-day workshop on Reality Therapy for the Busy Counsellor and Therapist is being sponsored by UBC's Centre for Continuing Education. Workshop will be led by Dr. John Banmen, Counselling Psychology, UBC. For information, call 222-5261. Acute Care Unit, Health Sciences Centre Hospital. 9 a.m. to 4 p.m. Saturday and Sunday.

### Women's Volleyball.

UBC vs. University of Calgary. War Memorial Gym. 6 p.m.

### Hockey.

UBC vs. Calgary Dinosaurs. Thunderbird Winter Sports Centre. 8 p.m.

### Volleyball.

UBC vs. Calgary Dinosaurs. War Memorial Gym. 8:30 p.m.

## Notices . . .

### Medieval Studies Workshop

A two-day workshop will be held on Friday, Nov. 18 and Saturday, Nov. 19 in the auditorium of the Vancouver School of Theology, 6050 Chancellor Boulevard. Topics include Professional Corporations in Late Medieval England; Italian Towns; Corporations and Alternatives; Guilds and Governments; Societies of Foreigners; Social Relations and Organizations; and Art and Urban Institutions, as well as a Leon and Thea Koerner lecture by John Najemy of Cornell University on The Guild Culture of Medieval Italy: A Political Language in Search of a Theory. For registration details, call Dr. Richard Unger at 228-5162.

### Museum Exhibit

The Museum of Anthropology is presenting a exhibit of objects from their permanent collection Nov. 15 through Jan. 15 in the rotunda of the museum. The opening of the exhibit coincides with the museum gift shop's five-day Christmas sale (Nov. 15 to 20). Folk crafts, art objects and Christmas ornaments from around the world will be available for purchase. The gift shop is open from noon to 5 p.m.

### UBC Observatory

The University telescopes atop the Geophysics and Astronomy Building are open for free public viewing every clear Saturday night from 7 to 11 p.m. Call 228-6186 for more information.

### Faculty Club Display

A show and sale of sterling silver jewelry by Ann Davern, enamelled works by Jean Grant Horner and petit point jewelry and gifts by Elaine Carlson Horner will take place on Saturday, Nov. 12 in Salons B and C of the Faculty Club from 1 to 5 p.m.

### Faculty/Staff Badminton Club

The club meets in Gym B of the Osborne Centre on Tuesday evenings from 8:30 to 11:30 p.m. and Friday evenings from 7:30 to 10 p.m. (except Friday, Nov. 4 and 11). New members welcome.

### Asian Centre Exhibit

An exhibition of photography by Ted Scott, Vancouver architect, screen-printer, and photographer, is on display at the Asian Centre. The show, entitled "Japanese People and Japanese Things", consists of 50 color and monochrome images made by Mr. Scott in Japan in the 1970s. The exhibition will be open noon and 6 p.m. daily, including weekends, until Nov. 20.

FIRST CLASS MAIL

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