UBC Reports

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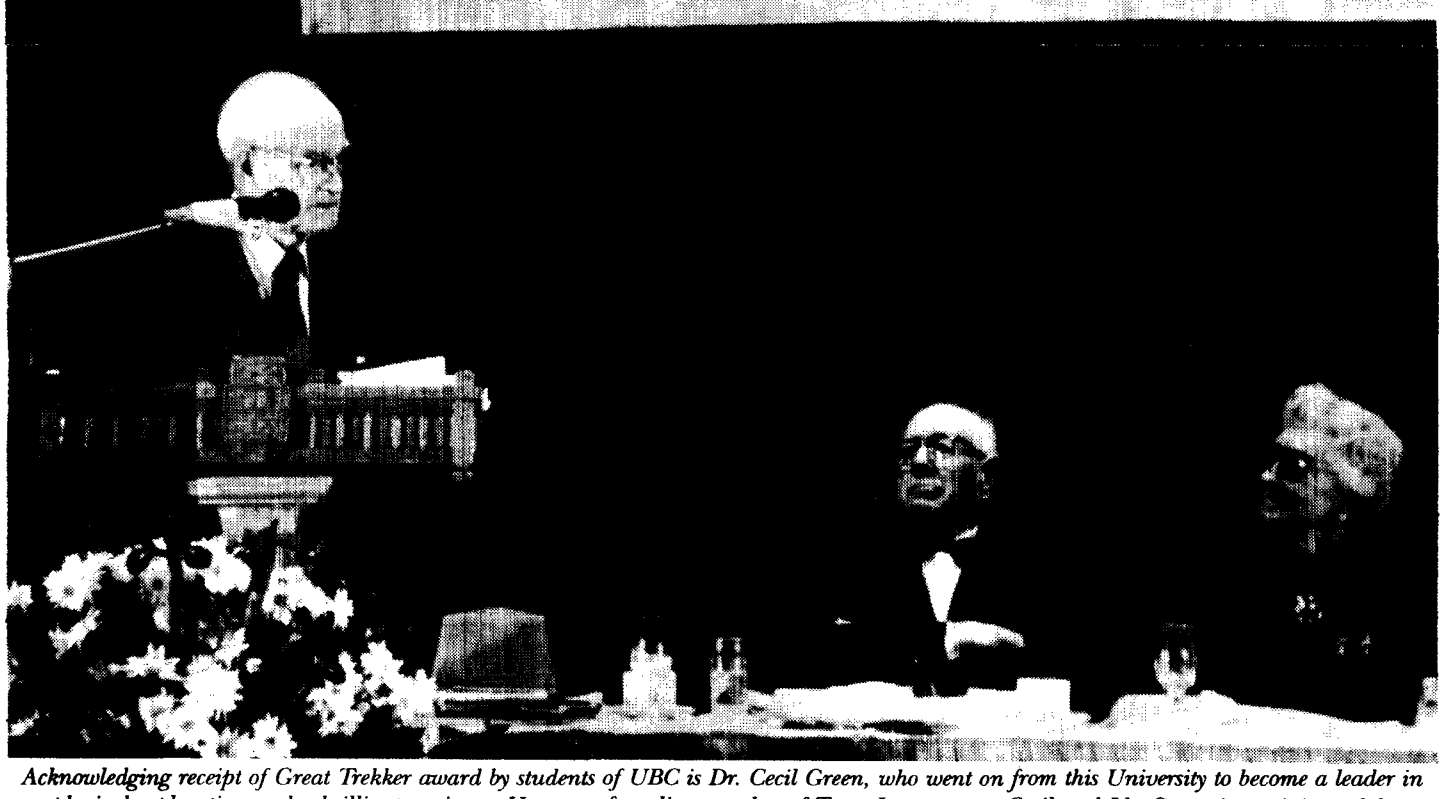
GREAT TREKKER



Acknowledging receipt of Great Trekker award by students of UBC is Dr. Cecil Green, who went on from this University to become a leader in geophysical exploration and a brilliant engineer. He was a founding member of Texas Instruments. Cecil and Ida Green (co-recipient of the award with her husband) have endowed a visiting professorship program bearing their names, have given Cecil Green Park to the University, and have helped in many other ways. Head table guests in the photo are Dean Emeritus of Agriculture Blythe Eagles and Betty Clyne, wife of former chancellor J. V. Clyne.

President Pedersen imposes hiring freeze

A University-wide hiring freeze has been imposed by President George Pedersen, and it will remain in force at least until next Jan. 21.

The freeze order came just three days after Dr. Pedersen notified the University community last week that the administration was attempting to cope with an expected shortfall of $6.6 million in the fiscal year beginning next April 1.

"Until there is a means of dealing with this shortfall," the president said, "additional or replacement ongoing salary commitments on the operating budget must not be made. Therefore, I am imposing a hiring freeze immediately for both faculty and non-faculty positions.

"This freeze will remain in force at least until Jan. 21, 1985, when the situation will be reviewed in light of the circumstances prevailing at that time."

Dr. Pedersen said the only exemptions would be vacancies arising from involuntary severance — denial of tenure or of reappointment in the faculty area, or for termination of appointment for unsatisfactory performance in the non-faculty area.

He added that positions funded from sponsored research or ancillary enterprise funds (non-University operating budget sources) would also be exempt.

In explaining the freeze, the president said:

"I have taken this action because it is quite clear that in coming to grips with the anticipated shortfall, we will have no alternative but to reduce substantially the wage and salary component of our budget, a reduction which is most likely to include, among other things, the discontinuance of academic programs and, possibly, entire units."

Three co-op students honored

Three students involved in UBC's Co-operative Education Program were honored for outstanding technical papers at a recent meeting of the UBC Co-op Employers' Council.

Fourth-year Agricultural Sciences students Jill Ranson and Mary Margaret Gaye received awards for technical papers written during their summer placements with UBC's Department of Food Science and Agriculture Canada, respectively. The third winner, second-year Engineering Physics student Samir Shah, was employed by UBC Physics professor Dr. Rudy Haering on a lithium-pyrite battery project.

The awards were given this year by H.A. Simons (International), Du Pont Canada and Ebco Industries Ltd.

UBC's Co-operative Education Program, which is open to students in the Faculties of Applied Science and Agricultural Sciences, placed 82 students in jobs related to their field of study this summer. Students must complete three consecutive work placements to fufill their commitment to the program and a technical report is required each summer. In 1984, 60 employers and 44 faculty advisors were involved in the program.

Energy program will cut costs

Work on the first phase of a three-phase program of energy conservation that could save the University more than $2 million a year has been started at UBC.

The program was designed by Neptune Dynamics, a Vancouver firm of energy consultants. A report by Neptune projects immediate savings of $300,000, additional medium-term savings of at least $600,000 within three years, and long-term savings of another $1 million or more a year.

"We are going ahead now with the short-term program," said Bruce Gellatly, vice-president Finance, "since in the first year alone we expect to save more than we spend. No decisions have been made yet on phases two and three.

The Neptune report notes that energy consumption at UBC is far higher than the Canadian average for universities, with a consumption rate almost double that of the University of Victoria.

"If UBC could get to the UVic rate, then the annual cost savings would be closer to $4 million," Neptune says.

Implementing the short-term program will cost the University $265,000, less than the first year's savings. Medium-term outlay would be $1.2 million, recoverable with two years of savings.

Proposals under the short-term plan include:

- Lowering the pressure and temperature of the superheated steam that is now piped out of the powerhouse. This would also reduce the amount of heat lost from underground steam pipes.
- Connecting more buildings to a low pressure steam supply, so that excess steam would not be wasted by venting. This could include the Sedgewick Library, Scarfe, Ponderosa and Mathematics. The report notes that some of the necessary steam piping is already in place.
- Seeking a partial exemption for UBC from the 7-per-cent B.C. sales tax that is levied on gas and electricity. Consumption for residential purposes is not taxed, and student residences may qualify for this exemption.

Mr. Gellatly said discussions with Neptune on aspects of the longer term proposals would continue. He said the report contained many excellent suggestions, some highly technical and some extremely easy to follow.

As an example of the latter, he cited Neptune's plan for the Thunderbird Winter Sports Centre.

Under this proposal, heat given off by the refrigeration system used to make the ice for the three skating rinks would be recovered and piped into the water system. The hot water would then be used by the Zamboni ice-cleaning machines. The expected saving would be $14,000 a year.

Financial Services reorganized

Financial Services, the department responsible for recording and reporting the financial affairs of the University, has made a number of organizational changes.

The changes include an expansion of the section that services research and trust funds, some shift in responsibilities within the department and an increased emphasis on new systems design.

Through the reorganization the research/trust section will increase by two staff members, one of whom will be a professional accountant with responsibility for the day-to-day supervision of the section. UBC associate vice-president and treasurer Allen Baxter said expansion in this area was critical in order to meet the growing need for services to faculty members, federal, provincial and private granting agencies, other governmental organizations and UBC's Office of Research Services.

"Over the past 10 years the growth in research grants and contracts has been three-fold while the number of staff members in that section has remained static," he said. "During this time the amount of administrative work involved in contract research has increased as well."

Enquiries about daily operations in the section can be directed to assistant accountant Winnie Wong at local 4193. Research/trust accounting will report to assistant treasurer Craig Smith.

In addition, Mr. Smith will assume overall responsibility for the payroll organization, recognizing the significant work necessary in developing and implementing the new personnel/payroll system, Mr. Baxter added. Daily operations and supervision of payroll remain under the direction of Bob Seeley (6355).

Manager of accounting services, Paul Bullen, will continue to be responsible for the areas of general accounting, pre-audit, endowment, student aid and accounts payable. The daily administration of each of these areas is under the direction of:

* Doug Chan (6779) — general accounting, fees and fines collection, room and board rents, accounts receivable;
* Jim Prasad (2321) — pre-audit processing of requisitions, bank reconciliations;
* Jill Darling (2564) — processing and payment of invoices from suppliers;
* Peggy Guy (2702) — endowment and student aid.

The department is also placing greater emphasis on new systems design and has recently added Steve Ryan, a Certified General Accountant with 20 years of computer and systems experience in industry, to develop this area. The first priority is to develop a new general ledger system that will be capable of producing timely financial reports, monitoring commitments (money for salaries, supplies and expenses that is committed for specific purposes but has not yet been spent), allow departments to make on-line enquiries and provide flexible ledger information geared to the varying needs of departments and administrative offices on campus.

Members of the University community are invited to direct ideas and suggestions in this area to Mr. Ryan at local 6883.

Earlier this year the budget planning function of the department was moved to the Office of Budget, Planning and Systems Management headed by Dr. John Chase, but the responsibility for budget control and monitoring of expenditures which exceed budgeted amounts remains with Financial Services. Ron Mercer (2554) can answer queries in these areas.

Mr. Baxter added that the sections in Financial Services which deal with investment management, insurance and benefits administration are currently being reviewed as well.

Commerce parents enjoy visit

The first parent information meeting organized by any UBC faculty took place last week when mothers and fathers of first-year Commerce students visited the University.

The enthusiasm of the parents was evident before the event started. Scheduled to begin at 7:30 p.m., parents began filling the hall at 6:50 p.m. while organizers were still hanging up posters.

Dean Peter Lusztig described the faculty to the parents, telling them of the academic challenges students would have to meet and which years of the program students normally find most difficult.

The parents applauded spontaneously two or three times during a question period that followed these remarks.

The meeting was the brain-child of Mrs. Catherine Vertesi, director of the undergraduate program. She said its purpose was to inform parents about the academic options available to students in the faculty and the career choices they would have to make.

Organizers also included Mr. Gerald Smeltzer and Dr. Dean Uyeno, assistant directors of the undergraduate program, and members of the Commerce Undergraduate Society.

Dean Lusztig said one potential problem facing the organizers was that some students might not have wanted their parents invited.

"Some students could have taken the view that as adults they thought it improper for their parents to be involved," he said. "So we left it up to the students. They either addressed a letter of invitation to their parents or they didn't.

"But as it turned out, the meeting was a great success, with about 150 parents attending.

"I wouldn't hesitate to do it on an annual basis."

Grants cut need for animals

Grants totalling $22,500 have been awarded to four UBC scientists to find ways of reducing or eliminating the need for laboratory animals.

The projects affect the use of animals in medical teaching and research, and the use of animals in routine tests for toxins harmful to humans carried out in government laboratories.

Money for the research comes from an initiative of the B.C. SPCA. The SPCA has donated $10,000 for each of the last two years towards this type of research and the University has matched it.

Public support for more research can be made through tax-deductible donations to the B.C. SPCA-UBC Fund for Alternatives to Animals in Research, Office of Research Services, University of B.C., 2075 Wesbrook Mall, Vancouver, V6T 1W5.

Dr. John Ledsome, head of UBC's physiology department, aims at developing a microcomputer simulation to mimic the complex responses of the body in life-threatening situations. It is to replace anesthetized animals used to teach medical and other senior students the variety of body responses when heart or breathing action is interrupted.

The amount of his grant is $4,000. The grant is an extension of a project that received $2,100 from the SPCA fund last year.

Another project continued from last year when it received $8,500 involves teaching a technique called tissue culture. Tissue culture allows researchers to carry out experiments on animals or human cells grown in the laboratory. Last year the technique was taught to honors students. The project, under Dr. David Mathers of the physiology department, received a further $3,500 this year and the course is open to anyone at the University.

Two new projects are using two different methods to try to eliminate the use of mice now used to test whether shellfish have been contaminated by red tide or other toxins.

Red tide is a naturally-occurring and extremely dangerous toxin present on the B.C. coast and elsewhere in the world. B.C. shellfish are constantly monitored for the disease using large numbers of mice.

Dr. David Kitts will receive $7,000 and Dr. Phil Townsley $8,000 to try to find an alternative method of testing for the disease. Both are in UBC's agricultural sciences faculty.

Last year Drs. Keith M. McErlane and James M. Orr of UBC's pharmaceutical sciences faculty received $9,400 to develop a chemical analysis method to determine the purity of a hormone currently analysed using laboratory animals. They are continuing their work.

Dr. Peter Larkin, associate vice-president for research and chairman of the University's committee on the use of animals in research, said work to find alternatives to animals is extremely valuable.

"There are scientific and economic reasons as well as humanitarian considerations behind this research," Dr. Larkin said.

"Methods that substitute animals are often cheaper and faster. And the results are frequently as good, and sometimes better, than can be obtained with the use of animals. That is what this research hopes to achieve."

UBC employee Lorne Lamont and his wife, Audrey, were guests of President Pedersen last week at a luncheon honoring Lorne for his quick action which saved the life of Percy Mikkelsen, a fellow employee at UBC's Oyster River Research Farm near Campbell River. Lamont revived his colleague using CPR techniques he learned as a volunteer fireman at Oyster River.

Ken Andrews

Ken Andrews says he'll return soon

Ken Andrews says he's on the road to recovery following triple bypass heart surgery in September and hopes to be back on the job at UBC soon.

Mr. Andrews, an electrician in Physical Plant and president of Local 116 of the Canadian Union of Public Employees (CUPE) since 1971, spoke with *UBC Reports* from his home in Richmond last week.

He said he has been "surprised, grateful and really, really pleased" with the support he has received from friends on campus. He's had more than a hundred cards and many, many flowers and other gifts.

"All of this has really helped a lot," he said. "You can tell everybody I'm definitely on the road to recovery and hope to return soon."

Apart from his long career as CUPE president, Mr. Andrews also has the distinction of having been the first non-academic elected member of the UBC Board of Governors. He served two terms, six years, on the Board.

Mr. Andrews has also been an elected member of the Board of Directors of the UBC Staff Pension Plan for many years.

U.S. cellist to conduct free classes

American cellist George Neikrug will conduct free public master classes for local musicians and perform at a public concert when he visits the University of B.C. later this month.

Neikrug, who has made solo appearances with orchestras conducted by Leonard Bernstein, Bruno Walter and Alfred Wallenstein, will give a concert of music by Brahms and Kodaly at 8 p.m. on Nov. 24 in the Recital Hall of the Music Building. He will be accompanied by pianist Robert Rogers of the UBC music department.

Tickets ($6, $3 for students) are available from the UBC music department (228-3113) or at Ward Music Co. (682-5288).

Neikrug will conduct master classes on Nov. 22 from 3:30 to 5:30 p.m. and on Nov. 23 and 26 from 1:30 to 3:30 p.m., also in the Recital Hall of the UBC Music Building. Spectators are welcome at all sessions.

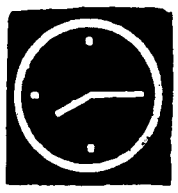
Neikrug, who now teaches at Boston University, has also performed as a soloist in most major European centres. He has been widely acclaimed for his presentation of all six Bach suites in a single recital, a feat that he has performed on 10 occasions.

UBC CALENDAR

CALENDAR DEADLINES

For events in the weeks of Dec. 2 and 9, material must be submitted not later than 4 p.m. on Thursday, Nov. 22. Send notices to Community Relations, 6328 Memorial Road (Old Administration Building). For further information call 228-3131.

The Vancouver Institute.



Saturday, Nov. 24
The Other Orwell: Getting Away from 1984. Dr. Bernard Crick, Politics, University of London.

Lecture Hall 2, Woodward Instructional Resources Centre, 8:15 p.m. Free admission.

SUNDAY, NOV. 18

Lutheran Campus Ministry.
Ray Schultz will discuss the close involvement of theology in politics within a Latin American context. Lutheran Campus Centre. 7 p.m.

MONDAY, NOV. 19

History of Medicine Lecture.
Ethics of Experimentation on Humans. Dr. W.A. Webber, Medicine, UBC. Room 80B, Woodward Instructional Resources Centre. 8:30 a.m.

Pathology Seminar.
Regulatory Factors in Hematopoiesis. Prof. Peter Galbraith, Medicine, Queens University. Pathology Seminar Room, Heather Pavilion, VGH. 9 a.m.

Mahlzeit.
An opportunity to hear and speak German. Everyone welcome. International House. 12:30 p.m.

Plant Science Seminar.
Photorespiratory Characteristics in a Set of Tobacco Mutants. Prof. Ryuichi, Agriculture, University of Tokyo. Room 342, MacMillan Building. 12:30 p.m.

Leisure and Cultural Studies Seminar.
The Contradictions of Pop: Culture and Commerce in Popular Music. Martin Laba, Communication Studies, SFU. Penthouse, Buchanan Building. 3:30 p.m.

Hydrology Lecture.
Ground Water Pollution and Its Remediation. Dr. Richard Jackson, Environment Canada, Ottawa. Lecture Hall 6, Woodward Instructional Resources Centre. 3:30 p.m.

Mechanical Engineering Seminar.
Regenerators for Process Plant. A. Riahi. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Urban Land Economics Workshop.
Natural Resource Inputs to a Spatial System. Edwin von Boventer, University of Munich. Penthouse, Angus 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 the president should identify themselves to the receptionist in the Librarian's office, immediately to the left of the main entrance to the Main Library. 3:30 to 5 p.m.

Applied Mathematics Seminar.
Reaction-Diffusion: Problems of Correlating Theory With Experiment in Developmental Biology. Prof. Lionel G. Harrison, Chemistry, UBC. Room 229, Mathematics Building. 3:45 p.m.

Biochemical Discussion Group Seminar.
Genes Controlling Chromosomes in Yeast—Molecular and Genetic Analysis. Dr. Rochelle Esposito, Biology, University of Chicago. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Zoology "Physiology Group" Seminar.
Developmental Gene Switches Are Controlled by Physiological Influences. Dr. W.F.H.M. Mommaerts, Physiology, U.C.L.A. School of Medicine. Room 2449, Biological Sciences Building. 4:30 p.m.

Immunology Seminar.
Positive and Negative Signals that Regulate Granulopoiesis — Involvement of Intermediary Cells. Dr. Peter Galbraith, chairman, Hematology, Queen's University. Music Room, Faculty Club. 8 p.m.

TUESDAY, NOV. 20

Botany Seminar.
Vegetational and Environmental History of the Sahara. J. Ritchie, Scarborough College, University of Toronto. Room 3219, Biological Sciences Building. 12:30 p.m.

Pharmaceutical Sciences Seminar.
Mechanism of Action of Intestinal Secretagogues. Dr. Paul Bass, Centre for Health Sciences, University of Wisconsin. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

Chemistry Lecture.
Spouted Beds. Prof. Norman Epstein, Chemical Engineering, UBC. Room 250, Chemistry Building. 1 p.m.

Statisics Workshop.
Principal Curves and Surfaces. Trevor Hastie, Stanford University. Room 101, Ponderosa Annex C. 3:30 p.m.

Oceanography Seminar.
Aspects of Vancouver Island Continental Shelf Sedimentation. Dr. Brian Bornhokl, Pacific Geoscience Centre, Sidney, B.C. Room 1465, Biological Sciences Building. 3:30 p.m.

Neuroscience Discussion Group Seminar.
MPTP-Induced Parkinsonism in Human and Non-Human Primates. Dr. J. William Langston, Neurology, Stanford University. Lecture Hall 3, Woodward Instructional Resources Centre. 4:30 p.m.

CUSO Presentation.
Rural Development in Bangladesh. A film and presentation by Gilles Latour, director of Overseas Programs of the Unitarian Service Committee. Hosted by CUSO-UBC. Free admission. Upper Lounge, International House. 7:30 p.m.

Social Work Colloquium.
Social Work and the Nuclear Threat. Susan Hargraves, Psychology, SFU, speaks on her research on Burnaby childrens' perceptions of the nuclear threat. Wilson Head, visiting professor of Social Work, University of Victoria, and long-time peace activist speaks on action strategies for social workers. Free admission. Lecture hall A, School of Social Work. 7:30 p.m.

WEDNESDAY, NOV. 21

Pharmacology and Therapeutics Seminar.
Role of Cyclic Nucleotides in Adrenergic-Cholinergic Interactions in the Heart. Dr. Cathy MacLeod, Pharmaceutical Sciences, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

Poetry Reading.
Reading by Canadian poet Robert Bringhurst, whose volume *The Beauty of the Weapons* was recently nominated for the Governor-General's Award. Sponsored by the Canada Council. Penthouse, Buchanan Building. 12:30 p.m.

Noon-Hour Concert.
Music of Hetu, Casella and Jolivet. Jane Martin, flute. Recital Hall, Music Building. 12:30 p.m.

Forestry Seminar.
Chemotaxconomy of Western Conifers. Dr. E. von Rudloff, Principal Research Officer, NRC. (retired). Room 166, MacMillan Building. 12:30 p.m.

Committee on Lectures.
The Archeology of Greece. Prof. Anthony Snodgrass, Classical Archaeology, Cambridge University. Room 105, Lasserre Building. 12:30 p.m.

Geography Colloquium.
John Ruskin and Victorian and Early Modern Landscape Aesthetics. Edward Gibson, Geography, SFU. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.
Lampreys — The Most Primitive and Advanced of Vertebrates. Dr. Richard Beamish, Pacific Biological Laboratory, Nanaimo. Room 2449, Biological Sciences Building. 4:30 p.m.

Information Science Lecture.
Use of Artificial Intelligence in the Representation of Spacial Information. Dr. S. William Havens, Computer Science, UBC. Conference Room, B.C. Research. 7:30 p.m.

Dorothy Somerset Studio.
Opening night of Timothy Findlay's play *Can You See Me Yet?* Shows at 8 p.m. Nov. 21 to 23 and at 5 and 8:30 p.m. on Nov. 24. Ticket information at 228-2678. Dorothy Somerset Studio. 8 p.m.

Archaeological Institute Lecture.
Myth and Legend in Early Greek Art. Prof. Anthony Snodgrass, Classical Archaeology, Cambridge University. Theatre, Museum of Anthropology. 8 p.m.

THURSDAY, NOV. 22

Rare Art Presentation.
36 exquisitely colored stone lithographs. An historical documentation of decorative motifs: Primitive to Baroque. Hand drawn and printed in Impressionist Paris (text in French, 1875). Some available for purchase. Ralf Kelman will be in attendance. 4th floor foyer, Lasserre Building. One day only. 11 a.m. to 5 p.m.

UBC Choral Union.
Music of Gabrieli, Brahms and Vaughan-Williams. Jeffrey Campbell, director. Recital Hall, Music Building. 12:30 p.m.

Science, Technology and Society Studies Meeting.
Committee on Science, Technology and Society Studies. D. Fisher, Education, and S. Straker, History. Papers and reports on conference of Society for Social Studies of Science. Penthouse, Buchanan Building. 12:30 p.m.

History Presentation.
"The White Rose,"documentary recreation of student resistance to the Nazis, third of three special features on the Nazi experience in Europe, 1933-1945 presented by the Department of History. Room A205, Buchanan Building. 12:30 p.m.

Human Nutrition Lecture.
Iron Nutrition: A. Bioavailability; B. Fortification of Foods; and C. The Case of the Super Blood Donor. Dr. Elaine Monson, Human Nutrition, Dietetics and Foods, University of Washington, Seattle. Room 60, Family and Nutritional Sciences. 12:30 p.m.

Geology Colloquium.
Vector Representation and Manipulation of Optical Properties of Minerals. Dr. Jim Nicholls, University of Calgary. Room 330A, Geological Sciences Building. 12:30 p.m.

Community and Regional Planning Lecture.
Acid Rain: A Transboundary Issue. Dr. John H. Baldwin, director of Environmental Studies, School of Planning, Public Policy and Management, University of Oregon. Room 102, Lasserre Building. 12:30 p.m.

Condensed Matter Seminar.
Muon Spin Relaxation in Magnetic Superconductors. David Noakes, TRIUMF, UBC. Room 318, Hennings Building. 2:30 p.m.

English Colloquium.
Twentieth-Century Composers Make Hamlet *(Hamlet)* Speak. Dr. Reginald Ingram. Penthouse, Buchanan Building. 3:30 p.m.

Animal Resource Ecology Seminar.
The Role of Aluminum in Acidifying Stream Ecosystems: An Experimental Field Study. David Bernard, Animal Resource Ecology, UBC. Room 101, Ponderosa Annex C. 3:30 p.m.

Physics Colloquium.
Excited Cooper Pair States in Superfluid ^{3}He. William Halperin, Physics, Northwestern University. Room 201, Hennings Building. 4 p.m.

SUB Films.
The Dresser. Continues until Nov. 25 with shows at 7 p.m. on Thursday and Sunday, 7 and 9:30 p.m. on Friday and Saturday. Auditorium, Student Union Building. 7 p.m.

UBC Wind Symphony.
Music of Gould and Cowell. Martin Berinbaum, director. Recital Hall, Music Building. 8 p.m.

FRIDAY, NOV. 23

UBC Wind Symphony.
Music of Gould and Cowell. Martin Berinbaum, director. Recital Hall, Music Building. 12:30 p.m.

Forum/Discussion.
Daughters of Immigrant Families. June Lythgoe, director. Office for Women Students, will lead a discussion on daughters of immigrant families. Details at 228-2415. Room 223, Brock Hall. 12:30 p.m.

Community and Regional Planning Lecture.
The Environmental Future: From Ecotopia to Megatrends. Dr. John H. Baldwin, director of Environmental Studies, School of Planning, Public Policy and Management, University of Oregon. Room 102, Lasserre Building. 12:30 p.m.

Medical Genetics Seminar.
Treasure Your Exceptions. Dr. J.M. Connor, University of Glasgow, Scotland. Parentcraft Room, Grace Hospital. 1 p.m.

Geology Colloquium.
Problems in Magma Transport. Dr. Jim Nicholls, University of Calgary. Room 330A, Geological Sciences Building. 3:30 p.m.

Linguistics Colloquium.
Word Order Change: Typology versus Reconstruction. Prof. Gary Holland, University of California, Berkeley. Room D224, Buchanan Building. 3:30 p.m.

Wrestling.
UBC vs. the University of Calgary. Gym E, Osborne Centre. 5-9 p.m.

Women's Basketball.
Canada West Classic. Games on Friday at 6 and 8 p.m., Saturday at 4, 6 and 8 p.m. and on Sunday at 10 a.m. and 12 and 2 p.m. War Memorial Gym.

Hockey.
UBC vs. the University of Alberta. Thunderbird Winter Sports Centre. 7:30 p.m.

Ethnic Studies Lecture.
George Faludy, Hungarian writer living in Canada, will talk about his life experience and give a reading in conjunction with Jacqueline D'Amboise, director of UBC's Creative Writing literary translation program. Hebb Theatre. 8 p.m.

UBC Choral Union.
Music of Gabrieli, Brahms and Vaughan-Williams. Jeffrey Campbell, director. Recital Hall, Music Building. 8 p.m.

SATURDAY, NOV. 24

Hockey.
UBC vs. the University of Alberta. Thunderbird Winter Sports Centre. 7:30 p.m.

Cello Recital.
Noted American cellist George Neikrug of Boston University performs music of Brahms and Kodaly, accompanied by pianist Robert Rogers of UBC's music department. Tickets $6, $3 students, available at the UBC music department, 228-3113, or at Ward Music Co., 682-5288. Recital Hall, Music Building. 8 p.m. (See Notices for information on cello master classes by George Neikrug.)

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Student symphony praised

UBC's 70-member student symphony orchestra earned high praise from one of the world's leading experts on the music of Finnish composer Jan Sibelius.

Prof. Erik Tawaststjerna of the University of Helsinki, who was at UBC to lecture in the music department, was so deeply moved by a performance of Sibelius' Symphony No. 2 at a campus concert on Oct. 19 that he publicly congratulated the orchestra and its conductor, Gerald Stanick, when the concert ended.

He told the orchestra it had played "with the enthusiasm of students but with the skill of professionals." He said he had been "deeply moved" by the "magnificent performance" of the Sibelius symphony and had been particularly impressed with the orchestra's conductor.

Mr. Stanick, the orchestra's conductor, is also a part-time instructor of violin and viola in the music department. A Canadian who was raised in Vancouver, he was a member of the noted Fine Arts Quartet in the early 1960's, when it was rated as one of the world's top three chamber music groups by *Time* magazine. He is a former conductor of the Ars Musica Orchestra in Milwaukee and has taught at the Universities of Western Ontario, Calgary, Wisconsin, Cincinatti and Washington.

The community will again be able to hear the symphony orchestra when it performs two concerts under Stanick later this month in the Recital Hall of the Music Building.

The program on Nov. 29 at 12:30 p.m. and on Nov. 30 at 8:30 p.m. includes Beethoven's Prometheus Overture, Mendelsohn's fourth symphony (The Italian), and Rimsky-Korsakoff's Capriccio Espagnol. Admission to the concerts is free.

UBC CALENDAR

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SUNDAY, NOV. 25

Lutheran Campus Ministry.
Chile in Review: A Canadian Perspective. Chileans obliged to seek refuge among us tell of the reality of life under Pinochet and of coming to Canada to build a new home. Lutheran Campus Centre. 7 p.m.

Early Music Recital.
Johann Sebastian Bach: The Coffee Cantata. For ticket information, call 228-3113. Recital Hall, Music Building. 8 p.m.

MONDAY, NOV. 26

History of Medicine Lecture.
Public Support for Health Care in B.C. Prof. R.G. Evans, Economics, UBC. Rom 80B, Woodward Instructional Resources Centre. 8:30 a.m.

UBC Collegium Musicum.
Small Choir Music of the 15th and 16th Centuries. John Chappell, director. Recital Hall, Music Building. 12:30 p.m.

Dal Grauer Memorial Lecture.
Canada: The Quest for Community: The Foundations. Eric Kierans, Canadian politician, economist and radio commentator. Rooms 101/102, Curtis Building. 12:30 p.m.

Plant Science Seminar.
Homeostats for the Maintenance of the Inorganic Content of Plant Cells. Dr. T. Glass, Botany, UBC. Room 342, MacMillan Building. 12:30 p.m.

Urban Land Economics Workshop.
A Test of Positive Theories of Intervention: Rent Controls in Ontario 1975. Bill Stanbury, Commerce, UBC. Penthouse, Angus 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 the president should identify themselves to the receptionist in the Librarian's office, immediately to the left of the main entrance to the Main Library. 3:30 to 5 p.m.

Mechanical Engineering Seminar.
Dynamic Analysis of Modified Structures. S. Hutton. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.
Trench Wave Generation by Incident Rossby Waves. Prof. Lawrence A. Mysak, Mathematics, Oceanography and IAM, UBC. Room 229, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
Radio Patrol of the Northern Milky Way: Progress and Future Horizons. Dr. Philip C. Gregory, Physics, UBC. Room 318, Hennings Building. 4 p.m.

Preventive Medicine Seminar.
Practical Program Evaluation in a Community Hospital Setting. Valerie Young, administrative director, Medical Day Centre, Lions Gate Hospital, North Vancouver. Room 253, Mather Building. 4 p.m.

Biomembranes Discussion Group.
Membrane Transport and Response to a Membrane Potential. Dr. Marcel Bally, Biochemistry, UBC. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Zoology "Physiology Group" Seminar.
Regulation of Body Temperature During Sleep and Hibernation. Dr. H.C. Heller, Biological Science, Stanford University. Room 2449, Biological Sciences Building. 4:30 p.m.

Cinema 16.
Mirage. Auditorium, Student Union Building. 6:30 and 8:30 p.m.

TUESDAY, NOV. 27

Food and Fitness.
A videotape of a three-hour international teleconference (March 30, 1984) on "Uplink to Food and Fitness" will be shown. Details available from Jean Promnitz, 228-5319. Room 204A, Scarfe Building. 10:30 a.m.

Botany Seminar.
Neighbor Relationships and Variations in White Clover. R. Evans, graduate student, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Marketing Workshop.
The Choice of Functional Forms for Sales Response Functions. Tae Oum, Commerce, UBC. Penthouse, Angus Building. 12:30 p.m.

Film/Discussion.
Survivors: A film about Japanese American atomic bomb victims. Sponsored by the Office for Women Students and the Leon and Thea Koerner Foundation. Rooms 106, A, B and C, Brock Hall. 12:30 p.m.

Chemistry Lecture.
Investigations of Drug-Receptor Interactions Using X-Ray Crystallography. Prof. Arthur Camerman, Medicine (Neurology) and Pharmacology, University of Washington, Seattle. Room 250, Chemistry Building. 1 p.m.

Oceanography Seminar.
The Nature of Two-Layer Flow Over Topography. Dr. Peter Baines, CSIRO, Aspendale, Australia. Room 1465, Biological Sciences Building. 3:30 p.m.

Statistics Workshop.
Some Nonparametric Test Procedures for Litter-Matched Survival Times. Dr. June Morita. Room 101, Ponderosa Annex C. 3:30 p.m.

Neuroscience Discussion Group Seminar.
Pathophysiology of Axonal Demyelination. Dr. Austin Sumner, Neurology, University of Pennsylvania, Philadelphia. Lecture Hall 3, Woodward Instructional Resources Centre. 4:30 p.m.

WEDNESDAY, NOV. 28

Pharmacology and Therapeutics Seminar.
The Role of Arginine Vasopressin the the Central Control of Blood Pressure. K. King, Pharmacology and Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

Noon-Hour Concert.
Music of Beethoven, Ravel, Schubert, Ibert and Warlock. Paul Douglas, flute; Eric Wilson, cello; Donald Brown, baritone; and Philip Tillotson, piano. Recital Hall, Music Building. 12:30 p.m.

Dal Grauer Memorial Lecture.
Canada: The Quest for Community: The Institutions. Eric Kierans, Canadian politician, economist and radio commentator. Rooms 101/102, Curtis Building. 12:30 p.m.

Chemical Engineering Seminar.
Characterization of Liquid Fuels from Spouted Bed Pyrolysis of Canadian Coals. K.C. Teo, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 2:30 p.m.

Geography Colloquium.
Early Settlement in the Chilliwack Valley. Donna Cook. Room 201, Geography Building. 3:30 p.m.

Geophysics Seminar.
Earthquake Studies at the Seismological Observatory, Wellington, New Zealand. Dr. Warwick D. Smith, Geophysics, Department of Scientific and Industrial Research, Wellington, New Zealand. Room 260, Geophysics and Astronomy Building. 4 p.m.

Animal Resource Ecology Seminar.
An Experimental Analysis of the Dynamics of the Snowshoe Hare Cycle. Drs. Charles Krebs, Tony Sinclair and Jamie Smith, Zoology and Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Cinema West.
Lolita. Auditorium, Student Union Building. 7:30 p.m.

THURSDAY, NOV. 29

Lipids and Lipoprotein Discussion Group.
Phospholipid Transfer Protein in the Lung Surfactant System. Dr. Roger Lumb, Biology, Western Carolina University. Room 4210, Block A, Medical Sciences Building. 12 noon.

UBC Symphony Orchestra.
Sibelius' Concerto for Violin in D Minor and Other Works. Gerald Stanick, conductor, and Joanne Opgenorth, violin soloist. Recital Hall, Music Building. 12:30 p.m.

Condensed Matter Seminar.
The Direct Detection of Double Quantum Coherence in Magnetic Resonance. Mark Legros, UBC. Room 318, Hennings Building. 2:30 p.m.

Statistics Lecture.
A Prospective View of the SIMS Study on Acid Rain. Jim Zidek, Statistics, UBC. Room 101, Ponderosa Annex C. 3:30 p.m.

Religious Studies Colloquium.
Levi-Strauss in the Garden of Eden: Let Him In or Throw the Blighter Out? Prof. Paul G. Mosca, Religious Studies, UBC. Room B325, Buchanan Building. 3:30 p.m.

Physics Colloquium.
The EMC Effect: Direct Evidence for Quarks in Nuclei. Tony Thomas, Physics, University of Adelaide, Australia. Room 201, Hennings Building. 4 p.m.

SUB Films.
Merry Christmas Mr. Lawrence. Continues until Dec. 2 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.

UBC Opera Theatre.
An Evening of Opera: Music of Mozart, Paisiello, Verdi, Puccini, Bizet and Massenet. French Tickner, director. Old Auditorium. 8 p.m.

FRIDAY, NOV. 30

Poetry Reading.
Reading by Canadian poet Roo Borson, author of *A Sad Device, Rain,* and the just-published *The Whole Night, Coming Home.* Penthouse, Buchanan Building. 12:30 p.m.

UBC Collegium Choir.
Program TBA. John Chappell, director. Recital Hall, Music Buidling. 12:30 p.m.

Slavonic Studies Seminar.
An Introduction to Jaroslav Seifert: Nobel Prize for Literature 1984. Dr. Peter Petro, Slavonic Studies, UBC. Room B214, Buchanan Building. 12:30 p.m.

Medical Genetics Seminar.
Noonan Syndrome — The Whole Story — Almost! Dr. David Witt. Parentcraft Room, Grace Hospital. 1 p.m.

Geology Colloquium.
Lasers and Mineral Composition. Dr. Tom Pearce, Queens University. Room 330A, Geological Sciences Building. 3:30 p.m.

Hockey.
UBC vs. the University of Lethbridge. Thunderbird Winter Sports Centre. 7:30 p.m.

UBC Symphony Orchestra.
Sibelius' Concerto for Violin in D. Minor and other Works. Gerald Stanick, conductor, and Joanne Opgenorth, violin soloist. Recital Hall, Music Building. 8 p.m.

Men's Basketball.
UBC vs. Vancouver Police. 8:30 p.m.

SATURDAY, DEC. 1

Hockey.
UBC vs. the University of Lethbridge. Thunderbird Winter Sports Centre. 7:30 p.m.

UBC Opera Theatre.
An Evening of Opera: Music of Mozart, Paisiello, Verdi, Puccini, Bizet and Massenet. Old Auditorium. 8 p.m.

Notices . . .

W.O. Mitchell coming

Writer W.O. Mitchell will be at the Bookstore this Friday (Nov. 16) during the lunch hour to autograph copies of his latest book, *Since Daisy Creek.* On Nov. 22, cartoonist Len Norris will be at the Bookstore to autograph copies of his latest collection. Timothy Findlay (*Not Wanted on The Voyage*) will be at Hebb Theatre at noon Nov. 26 for a reading.

Public master classes

Noted American cellist George Neikrug of Boston University will give free master classes for cello players on three occasions while visiting UBC. He will be available on Nov. 22 from 3:30 to 5:30 p.m. and Nov. 23 and 26 from 1:30 to 3:30 p.m. in the Recital Hall of the Music Building. Spectators are welcome at all sessions.

UNESCO exhibit

An exhibit of more than 100 publications of the United Nations Educational, Scientific and Cultural Organization is on display at the UBC Bookstore until Nov. 24.

Bookstore sale

The Annual Book Sale at the Bookstore will run this year from Nov. 17 to Dec. 1. Opening Hours: Weekdays from 8:30 a.m. to 5 p.m., (open until 8:30 p.m. on Wednesdays), and Saturdays from 9:30 a.m. to 5 p.m. The book sale will include library discards, specially-priced editions and remainders, as well as technical and textbooks.

Special collections exhibit

Lest We Forget — The UBC Battalion. The poignant story of the young men who were recruited at UBC in 1916 and formed "D" Company of the Western Universities Battalion is displayed in photographs and documents in the Special Collections Division, upstairs in the Main Library until Dec. 1. The records show "D" Company's early days, the University's work in soldiers' civil re-establishment and the military career of S. Morley Scott who enlisted as a private in "D" Company.

Christmas market

Unusual and exciting Christmas gift items from around the world will be offered by the Museum of Anthropology Nov. 20 to 25, noon to 4 p.m. Upper Lounge, Museum of Anthropology.

Statistical consulting

The Department of Statistics provides statistical advice and assistance to faculty and graduate students at UBC. For details, call 228-4037.

Dance Horizons

Interested students, faculty and staff are invited to join Dance Horizons, UBC's dance ensemble. Previous experience is not necessary. Rehearsals Sunday, 2-4 p.m. in the SUB Ballroom, Tuesday 6:30-8 p.m. and Thursday 5-6:30 p.m. in the SUB Partyroom. For more information, come to SUB 216E or call 228-6668.

Lost and Found

Hours of operation are as follows:
Mondays — 10.30-11:20 a.m. and 12:30-2:30 p.m.; Tuesdays — 12:30-3:30 p.m.; Wednesdays — 10.30-11:20 a.m.; 12:30-1:30 p.m. and 1:40-2:40 p.m.; Thursdays — 12:30-4:30 p.m.; Fridays — 9:15-10:15 a.m. and 10:30-11:30 a.m.
The Lost and Found is located in Room 108 of Brock Hall, telephone 228-5751.

Pipes and drums

Pipers and drummers among faculty, students and staff interested in playing on campus are asked to contact Dr. Edward Mornin, Germanic Studies at 228-5140.

Exhibit

Vancouver School of Theology presents an exhibition of Methodist Heritage, 1784-1984, daily 2-4 p.m., Nov. 5-23. The exhibition will include unique historic items pertaining to the development of 200 years of Methodism in England and North America.

First Class Mail

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