

UBC Reports

Volume 32 Number 16, October 9, 1986

New Antarctic base for UBC

University of B.C. researchers will be able to use several Argentinian bases in Antarctica under the terms of an agreement signed by the University and Argentina.

Prof. Peter Suedfeld, the dean of UBC's Faculty of Graduate Studies, said the agreement, which provides for studies involving human subjects, offers new research opportunities to UBC faculty members in a broad range of departments and faculties.

"In effect," he said, "we now have a laboratory in a remote, harsh and isolated environment that will be of interest to researchers in several social sciences departments, including anthropology and sociology, psychology and geography, as well as departments such as physiology in the Faculty of Medicine."

Under the terms of the agreement, Argentinians will provide free return transportation to its Antarctic bases from Buenos Aires as well as logistical support for research teams.

Lottery funds health research

British Columbians hoping for a big win have helped finance more than \$26 million in health care research.

That's the amount of money allocated from B.C. Lottery proceeds since the lottery began in 1978.

The latest allocations, made through the B.C. Health Care Research Foundation, provided more than \$1.7 million for 73 research projects in basic and clinical research and health service research, including 32 renewals of previously funded studies.

UBC, with the only Faculties of Dentistry, Medicine and Pharmaceutical Sciences in the province, received more than two-thirds of the awards.

The foundation makes the awards with the assistance of national and international experts who check proposals to avoid duplication of work done elsewhere.

The foundation encourages research into cardiovascular disease, cancer, fitness, lifestyles and mental health. It also emphasizes projects designed to assess health-care programs and to develop evaluation techniques.

United Way campaign begins

A 17-member UBC committee is making an all-out effort to increase giving to the United Way of the Lower Mainland in 1986.

The committee, chaired by Prof. Cyril Finnegan, acting associate vice-president, includes representatives of all UBC faculties, the Library, Computing Centre, the three largest campus unions and the professional and supervisory staff.

"I think it's safe to say that in 1986 we're better organized and enthusiastic about increasing participation in the United Way than any year in the past," said Byron Hender, director of the campus Awards Office and a member of the organizing committee.

Several members of the committee are taking the United Way message to colleagues through personalized letters or organizing United Way information meetings featuring speakers and films.

To heighten interest in giving early to the appeal, organizers are planning an Early Bird Draw on Oct. 16 at 12:30 p.m. at the Cairn on the Main Mall between the Chemistry Building and the Bus Stop

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Engine in high gear

Last month, President Strangway released a new document prepared under his direction by the Community Relations Department. The document was designed to present the university's case clearly and concisely to the community at large, most specifically to the B.C. government, industry and the media. The President felt that it was timely for him to outline UBC's strengths and concerns, in his own way.

The document has received extraordinary critical acclaim, and we reprint here an excerpt from an article that appeared in the Victoria Times Colonist, Oct. 2, 1986.

"The defenders of post-secondary education in B.C. have a new ally. He is David W. Strangway, president of the University of British Columbia.

Strangway has issued a glossy magazine entitled *The Recovery of British Columbia: Engine of Recovery*. This document which has been mailed to politicians, businessmen and the media is a bold essay in defence of the university.

UBC's president refers to the "close relationship between the university and the government: but he also says that his university "faces a critical point in its development." The reasons for this critical situation are displayed in graphs, which bravely point out the contrasts between the achievements of the university and the simultaneous erosion of government support.

The university is a "dynamic environment for the development of fresh ideas and new technologies" — but government grants to the universities fell by 9.7 per cent in two years, while elsewhere across Canada and the U.S., governments were increasing significantly their contributions to universities.

In 10 years, research grants won by UBC professors increased from about \$18 million a year to over \$60 million in 1985/86 — but average Canadian universities. Competitive salaries, new equipment and

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Premier Van der Zalm, who visited campus informally to meet with students last week, is to meet with President David Strangway soon to discuss needs of UBC

Schools vie to come to UBC

Schools from all over the province are making their plans now to come to UBC's March '87 Open House.

The Open House committee is receiving calls from as far away as Revelstoke and Williams Lake, from school principals who can hardly wait to introduce their students to UBC. "Many of our students are intimidated by the size of Vancouver and of UBC," says Mr. John Dressler, principal of Anne Stevenson Junior Secondary School in Williams Lake. "We welcome the opportunity to bring students to consider potential UBC material to the campus."

Already four months into planning, Open House '87 looks set to be a great success. Dedicated groups around campus are working hard to put together a strong and exciting program.

In the Faculty of Arts, many different departments are putting on individual displays and demonstrations. One of the most active is music, whose program includes free music lessons, concerts on the hour every hour, electronic studio and computer music demonstrations. Their Dixieland Jazz Band will be

touring the campus, leading visitors to the music building.

The Museum of Anthropology, always a big attraction for visitors to campus, will be open, free of charge, throughout the three days. Museum staff are creating special shows and events, including multi-cultural music and dance performances in the Great Hall and informal slide-talks on some of the museum's many research projects.

The department of Creative Writing are planning cross-department workshops for high school writers, a festival of short plays and a reading by short story writer Guy Vanderhaeghe, winner of the governor general's award for his short story *Man Descending*. Mr. Vanderhaeghe will be the special judge for finalists in this year's PRISM international fiction competition.

These are just a few of the many activities and events planned by the Faculty of Arts.

Anyone who is interested in becoming involved with Open House event planning and activities should get in touch with their faculty representative, or should call Community Relations at 228-3131.

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first-class libraries are essential -- but provincial operating grants to universities in B.C. have fallen from over 6.5 per cent of provincial spending in 1972 to 2.8 per cent in 1986.

The demand for university education is increasing -- but tuition fees are among the highest in Canada and the university must restrict enrolment.

A final section of this remarkable document is called "Dispelling the Myths." Despite the repeated reassurance that the university and the government are getting along well together, the myths being dispelled are the basis of provincial government policy

towards the universities for the last four years at least.

Is the demand for university education declining because of population trends, as Patrick McGeer claimed? Not at all. Is UBC over-staffed? Not by comparison with other Canadian universities with similar programs. Are B.C. universities well funded on a per student basis? "Funding on a per student basis is now the lowest in Canadian provinces, except for Nova Scotia." Is UBC an inflexible institution unwilling to change? Is UBC badly managed? Rubbish.

Strangway's defence of his university is remarkable for its contents and for its timing. It appeared just before a provincial election. It appeared at the same

time as the government distributed a *Provincial Report* containing an amusing piece of propaganda about post-secondary education. *Provincial Report* said that universities are wonderful places, but said nothing at all about restraint, frozen salaries, departing professors and the collapse of student financial aid (which has dropped by 47 per cent since 1983).

Strangway's publication is not exactly a rebuttal of the government's propaganda, but it is more honest and more accurate."

Note: If you are interested in receiving a copy of "Engine of Recovery", please contact the Community Relations Department at 228-3191.

UNITED WAY

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coffee shop. In the event of rain, the draw will take place at the south end of the nearby Sedgewick Library course.

Entries in the draw must be received by the Department of Financial Services by 4 p.m. on Oct. 15. Draw prizes include tickets to a series of music school concerts, passes to the Museum of Anthropology, food services vouchers and a book from the UBC Press.

Dr. John Dennison, the education faculty's representative on the organizing committee, urged members of the University community to give generously to the appeal in recognition of the many services that the United Way of the Lower Mainland provides to the University.

Some examples:

* Students in the School of Nursing get valuable practical experience and training with United Way agencies such as the Vancouver Crisis Centre.

* Students in the Faculty of Education are associated with a number of UA-funded organizations, including the Parents in Crisis Society, the Vancouver Association for Children and Adults with Learning Disorders and the Society for Children and Youth of B.C.

Contributions to the appeal will fund almost 90 organizations that provide health services, youth leadership training and recreation and services to families and individuals on the Lower Mainland.

Herpes victims show compassion

The greatest fear of herpes patients is transmitting the disease to others.

This conclusion comes from a survey completed by 370 patients at the Herpes Clinic at the Health Sciences Centre Hospital at UBC.

The results were released Sept. 30 by clinic director Dr. Stephen L. Sacks of UBC's Department of Medicine, and Dr. Michael Koss of UBC's Department of Family Practice, at the 26th inter-science conference on antimicrobial agents and chemotherapy in New Orleans.

"Doctors should shift more attention to less visible effects of genital herpes," Dr. Sacks said. "Patients are more concerned about transmitting the disease than for the actual discomfort of recurring sores."

"This is particularly true of people with frequent recurrences who are not involved in long-term relationships. Their fear of infecting others often leads to depression with physical manifestations such as sleep disturbances."

Dr. Sacks said outbreaks of herpes lesions -- described by patients as mild and uncomfortable and lasting from six to eight days -- were a concern to only 40 per cent of patients.

But two-thirds of that group were worried about transmitting herpes to their partner, despite that fact that more than 75 per cent of them had never transmitted herpes to anyone.

Ninety per cent of pregnant women were most concerned with transmitting the disease to their babies during childbirth, he said.

Homecoming honours Forst

For the UBC grads of 1936, this year's Homecoming Week marks their 50th year reunion. And about a third of the 319 grads plan to visit the university to catch up on the news and see how the campus has changed. They're coming from all over Canada, the United States and even from England.

Homecoming Week runs from Oct. 20-25 and various faculties have organized reunions for their alumni. The Engineering class of '46 celebrates their 30th reunion and the Commerce class of '76 their 10th reunion. Some departments, such as Social Work and Pharmacy, are planning open functions and are inviting graduates from all years.

Homecoming kicks off on MONDAY, OCT. 20 with the Alumni Awards luncheon at the Hotel Meridien where opera singer Judith Forst will receive the alumni award of distinction. Students have an opportunity to "Meet the Brass" when the Board of Governors and members of the university administration convene in the Pit from 7:00 to 10:00 p.m.

TUESDAY, OCT. 21 the undergraduate societies recognize someone who went out of their way to help students. Recipients receive their "Just Desserts" in a reception at Cecil Green Park Lodge from 6:30 to 9:30. Desserts will be provided by the Faculty Women's Club.

Perhaps the most well-known event, the Great Trekker dinner and presentation of the Great Trekker Award, takes place in the SUB ballroom on WEDNESDAY, OCT. 22. Since 1950, this award has been presented to alumni who have not only achieved eminence in their field of activity and made a special contribution to the community, but also demonstrated a continued interest in UBC after graduation. Anne Stevenson is this year's recipient for her achievements in education.

Intramurals sponsors a re-creation of the Great Trek on THURSDAY,

Expo not a bust for economy

The boom of fireworks that brings Expo to an end will not mean a bust for the economy, predicts Dr. Dennis R. Capozza of UBC's Faculty of Commerce and Business Administration.

There will be little change in real estate markets and only a slight change in employment, Dr. Capozza said. Tourism will decline temporarily.

"The owner-occupied residential real estate market will not be affected," he said.

"Apartment vacancies at one per cent are now abnormally low. They will rise to their normal level of two to three per cent."

"The high vacancy rate for offices -- between 15 and 20 per cent -- are high but will not change."

"No change is anticipated in retail or industrial real estate demand."

The urban economics expert said tourism will drop for a year or two before regaining pre-Expo trend levels, the normal experience in areas that have hosted world fairs.

OCT. 23 when university teams race along the original Trek route in the Arts 20 Relay.

To wrap up on FRIDAY, OCT. 24, the UBC and University of Manitoba hockey teams meet on the ice for Blue and Gold Night. The Homecoming Dance follows in the SUB ballroom.

In addition special displays will run all week. The AMS Art Gallery will feature a show of contemporary Canadian art from the AMS Collection and there will be an exhibition of photographs in the SUB concourse.

For many alumni, Homecoming is an important event on their calendar, and for others it serves as an introductory week to encourage grads to come back on a more regular basis.

"Graduates can support the university in many ways, by giving money or sharing their experiences," AMS president Simon Seshadri said.

Rhodes Scholarships

UBC students who think they're candidates for the Rhodes Scholarship must submit applications for the 1987 awards by Oct. 24.

The B.C. winner of the prestigious award will study for at least two and possibly three years at Oxford University in England commencing next September. Each award is worth about 10,000 British pounds a year.

Eligible candidates are preferably in their third or fourth year of university

Last year, for example, the Arts faculty and Alumni Association sponsored "After the B.A.", a panel discussion where graduates such as Vancouver Sun columnist Nicole Parton talked about their careers. Graduates can also act as mentors for students or offer their services to the Alumni Association.

Last year about 1100 alumni attended Homecoming Week events. Many others went to reunions held throughout the year. This year, alumni are being actively encouraged to participate in UBC's largest Open House ever, to be held March 6, 7 and 8, 1987.

The Alumni Association assists grads in sponsoring events and, by using the resources of over 40 Branch Representatives, they can contact alumni anywhere in the world.

work, unmarried and between 18 and 24 years old.

Application forms are available from the UBC Awards Office in the General Services Administration Building or from P.D. Fahey, 669-2611, provincial secretary for the Rhodes Scholarship Trust.

The Rhodes Scholar is selected by a provincial committee after personal interviews and on the basis of applicants' records.

GRANT DEADLINES

NOVEMBER 1986

- * Agriculture Canada (CPD)
 - New Crop Development Fund [1]
- * Agriculture Research Council of Alberta
 - Farming for the Future [1]
- * American Council of Learned Societies
 - Intl. Travel Grants for Humanists [1]
- * American Lung Association
 - Research [1]
- * Amyotrophic Lateral Sclerosis Society of Canada
 - Research Fellowship [1]
- * Arthritis Society: Group Grants
 - Multi-Centre, Facilitation, Development [15]
- * Assoc. for Canadian Studies
 - Intercultural/ Interregional Enrichment [15]
- * Calgary Institute for the Humanities
 - Visiting Post-doctoral Fellowship [7]
- * Canada Israel Fdn. Academic Exchange
 - Canadian Studies Program at Hebrew University [1]
- * Canadian Institute for International Peace and Security
 - Research [14]
- * Canadian Veterinary Research Trust Fund
 - Grants in aid of Research [30]
- * Cancer Research Society Inc.
 - Nutrition in Relation to Cancer [15]
- * Energy, Mines and Resources Canada
 - Research Agreements Programme [15]
- * Hannah Institute for the History of Medicine
 - Fellowship [1]
 - Grants-in-aid [1]
 - Scholarships [1]
- * Health and Welfare Canada: Welfare
 - National Welfare Grant [1]
- * Health, Education and Welfare, U.S. Dept. of
 - NIH Grants to Foreign Institutions [1]
- * Kidney Foundation of Canada
 - Nephrology Scholarship [1]
- * Lady Davis Fellowship Trust
 - Fellowships [30]
 - Visiting Professorships [30]
- * Lindbergh, Charles A. Fund
 - Lindbergh Grant [16]
- * MRC: Awards Program
 - MRC Scientist Award [1]
- * MRC: Grants Program
 - Maintenance Grants [1]
- Major Equipment [1]
- Operating Grants - RENEWAL [1]
- Program Grants [1]
- * Muscular Dystrophy Assn. (U.S.)
 - Basic Research [10]
 - Clinical Research [10]
 - Postdoctoral Fellowships [10]
- * Muscular Dystrophy Assn. of Canada
 - Research [30]
- * National Cancer Institute of Canada
 - Cancer Research Unit or equiv. [15]
 - Equipment [15]
 - Equipment [15]
- * National Research Council of Canada
 - Research Associateships in NRC Labs [30]
- * North Atlantic Treaty Organization
 - International Collaborative Research [30]
- * NSERC: Fellowships Division
 - University Research Fellowship [1]
- * NSERC: Individual Grants
 - Conference Grants [1]
 - Equipment [1]
 - Grants for Scientific Publications [1]
 - Individual Research [1]
 - Infrastructure Grants [1]
 - Intermediate and High Energy Physics [1]
 - Northern Supplements [1]
 - Team Research [1]
 - Travel Grants [1]
- * NSERC: Major Equipment
 - Major Equipment [1]
- * Science Council of B.C.
 - Research [1]
- * Secretary of State: Canadian Studies
 - Canadian Studies: Learning Materials [1]
- * Spencer, Chris Foundation
 - Foundation Grants [30]
- * SSHRC: Intl. Relations Division
 - Travel to Intl. Scholarly Conferences [1]
- * SSHRC: Strategic Grants Division
 - Management Science: Doctoral Completion [15]
- * University of British Columbia
 - UBC: Killam Senior Fellowship [1]
- * Von Humboldt Fdn. (W. Germany)
 - Research Fellowship [1]
- * Weizmann Inst. of Science
 - Charles H. Revson Career Development Chairs [30]
- * World University Services
 - Awards to Foreign Nationals: Fellowships [1]

Family Practice Unit serves community

Tucked away behind the trees on Fairview Avenue is a facility few people know exists. It's the Family Practice Teaching Unit and Community Health Centre and for anyone in need of a family doctor it can provide a complete array of medical services. Whether it's immunization shots, family counselling, or simply a common cold, one of the health professionals at the centre can offer their expertise.

The Family Practice Teaching Unit and Community Health Centre is an integral part of the Family Practice Department, and a major training centre for the UBC School of Medicine. Graduate doctors specializing in Family practice spend several months of their two year program working here. The nine member Community Health Centre staff share their varied skills and experience with the resident doctors.

A typical day begins with rounds and ends with a meeting where residents and staff discuss each case history and diagnosis.

"The emphasis is on whole person medicine," says Dr. Carol Herbert, staff physician. For example, doctors may refer a patient who needs counselling to Gary Grams, the staff social worker. A patient with a small child may be directed to Dr. Suzanne Buckley, a part-time paediatric consultant. Adele Jenkins, the clinic nurse, assists in the patients care and runs the allergy clinic. Pharmacist Penny Miller fills prescriptions and provides drug information, and Public Health Nurse Joan Morison can provide immunization shots and a range of educational services. Dr. Paul Stein is a part-time psychiatric consultant and Dr. Al Boggie and Dr. Bill Buchan complete the team as staff physicians.

Dr. Buchan is also co-ordinator of the centre.

"Family practice means continuity," Dr. Buchan explains.

A typical family physician will see a patient through a lifetime of medical problems from childhood measles to perhaps a loss of hearing in old age. At the Community Health Centre, this kind of continuity of health care is maintained by the medical team of residents and staff working together out of the same location. Many of the patients come from the married housing area on campus, located very nearby. Dr. Buchan said families often discover the centre by chance as they are walking by.

A new patient will notice a few differences between the Family Practice Teaching Unit and Community Health Centre facility and the private practice of a family doctor. When the patient enters the examining room, he might be surprised to see the camera perched unobtrusively on the wall. It may seem out of place for a doctor's office, but for a teaching unit it is an invaluable tool. By videotaping patient/doctor interviews, resident doctors have a unique opportunity to review their technique. "They can see themselves as others see them," Dr. Buchan said. "Often they'll find out some surprising things."

A one way mirror is also employed in training, but the new patient should not become alarmed. These instructional devices are never used without consulting patients beforehand and obtaining their permission.

A patient will be examined by a resident doctor who consults with a staff physician before deciding on treatment. "The obvious drawback is that not everyone likes that," Dr. Buchan said. "On the plus side patients have a guarantee, if the university is involved, that our standards are high. And because of the slower pace of the centre, the resident has more time to spend with his patients. "Some people like the residents because they take the time," added Dr. Buchan. "Often young doctors try harder."

In the month of July, 665 people came to the unit. Another 130 allergy sufferers and would-be travellers needing immunization shots visited the allergy clinic and immunization centre. "For the number of doctors involved (in this unit) that is much less (than in a regular practice)," Dr. Buchan said. "If we have to see a patient every ten minutes we can't teach."

Dr. Buchan admitted it has been four or five years since "a head count" was done on who uses the centre's facilities. The last statistics showed an even split. About half the patients were students, faculty or campus staff, the rest came from outside the university.

The year the centre has eight first year residents. After completing their work at the Community Health Centre they move on to fulfill program requirements at other locations. But, in the interests of providing continuity of care, they return to the centre one



Routine baby check is part of clinic nurse's day

afternoon a week for the remainder of the two years. Twelve other UBC residents work out of the Fairmont Family Practice Unit at Vancouver General Hospital and the Shaughnessy Family Practice Unit at Shaughnessy Hospital.

The UBC Family Practice Teaching Unit and Community Health Centre is a relatively recent development in the School of Medicine. There was a children's clinic on campus in 1959, but a division of Family Practice was not created until ten years later. In 1971, the first resident was enrolled in the Family Practice program. Around the same time, the James Mather building, which houses the community health centre, was organized under the auspices of Jim McCreary, then Dean of Medicine.

According to Dr. Peter Grantham, head of the Family Practice Department, McCreary was a strong supporter of the idea of community health centres. It was a concept of combined

services where professionals in various medical fields would work closely out of one location sharing information, ideas and skills. For one reason or another the concept never became as widespread as its proponents might have liked. Dr. Grantham said he believes patients would prefer to see their personal doctor supply all their needs rather than a team of people.

The concept of community health centres may have waned, but the UBC Family Practice Teaching Unit and Community Health Centre is very much alive. As an outreach program into the community providing health care services Dr. Grantham describes the centre as "being of considerable significance."

It also operates as a focal point for community physicians to get in touch with the university. Centre staff attend conferences to share their expertise, and other physicians are invited to the centre to find out what the university is doing in the Family Practice area.

Ancient tool used in surgery

Dr. David Pokotylo, curator of archaeology at the UBC Museum of Anthropology, put his convictions on the line earlier this year in order to demonstrate the superiority of cutting edges on some types of ancient stone tools. Using not only contemporary scalpels, but also replicas of ancient surgical tools made from flakes of glass-like obsidian, Pokotylo underwent reconstructive surgery to his hands.

The UBC professor enlisted the assistance of Len McFarlane, MOA's technician and resident expert in the art of reproduction of ancient artifacts, to construct several finished scalpels with the blades he had fashioned. These instruments had not only to conform to surgical specifications, but were also required to survive the rigorous process of sterilization.

Pokotylo underwent the surgery in the spring of 1986, and the success of the experiment -- the first of its kind in Canada -- has been very encouraging. Incisions made by the obsidian microblade seemed to heal faster and neater than those made by the conventional steel blade. Dr. Lorne Brown, who performed the surgery, points out that the results warrant further examination as a multitude of factors in surgical procedure can affect the healing process. Both Pokotylo

and Brown agree that the implications resulting from this experiment are great for other areas of surgery.

David Pokotylo and Len McFarlane have joined forces on several occasions to recreate the past. On their list of credits is Universal Studios for whom they produced several properties for the feature film Iceman.



Dr. David Pokotylo and obsidian knife



Germanic Studies fund kick off

Two prominent members of Vancouver's German community, Helmut and Hugo Eppich, are spearheading a fund drive aimed at raising \$120,000 for an endowment that will establish an annual graduate fellowship in the Department of Germanic Studies.

The Eppich family has pledged \$50,000 to the endowment fund campaign, which was launched at a Sept. 22 dinner in the UBC Faculty Club.

President David Strangway, speaking at the dinner, expressed the University's appreciation for the involvement of B.C.'s German-speaking community in UBC activities.

Special guests at the dinner included representatives from the consulates of German federal republic, Austria and Switzerland.

LETTERS

Are academics too busy to write? We look forward to receiving your views and opinions on topics of interest to UBC readers.

Please write to The Editor, UBC Reports, and we will print what we can.

Table 1
The University of British Columbia
Statement of Changes in Unappropriated Fund Balances
For The Year Ended March 31, 1986
(thousands of dollars)

	General Purpose Operating	Specific Purposes	Sponsored Research	Ancillary Enterprises	Capital	Totals 1986	Totals 1985
	\$	\$	\$	\$	\$	\$	\$
Revenue and other additions:							
Government grants and contracts							
Government of Canada	—	2,056	37,338	—	—	39,394	45,966
Province of British Columbia	170,917	4,676	5,484	—	23,590	204,667	204,434
Other governments	—	64	86	—	—	150	88
Foreign governments	—	203	1,574	—	—	1,777	1,393
Student fees	39,713	282	—	—	—	39,995	36,558
Bequests, donations and non government grants	—	5,442	14,842	—	2,363	22,647	24,366
Sales and Services	794	1,184	295	36,347	—	38,620	31,054
Income from investments	3,099	9,643	—	190	207	13,139	13,392
Loans	—	—	—	300	11,967	12,267	8,532
	<u>214,523</u>	<u>23,550</u>	<u>59,619</u>	<u>36,837</u>	<u>38,127</u>	<u>372,656</u>	<u>365,783</u>
Expenses and other deductions:							
Salaries—Academic	94,534	3,478	10,650	—	—	108,662	109,325
—Student service	5,286	2,800	7,605	—	—	15,691	13,796
—Staff	61,533	2,904	15,232	10,493	143	90,305	88,077
	<u>161,353</u>	<u>9,182</u>	<u>33,487</u>	<u>10,493</u>	<u>143</u>	<u>214,658</u>	<u>211,198</u>
Benefits	19,699	455	2,082	1,006	2	23,244	22,597
Travel, field trips, moving	2,383	996	3,830	—	11	7,220	7,132
Library acquisitions	4,887	339	363	—	1	5,590	4,770
Operational supplies and expenses	12,119	3,728	11,378	4,378	990	32,593	29,353
Furniture and equipment	4,100	2,663	8,193	481	1,773	17,210	14,898
Utilities	9,313	99	458	724	65	10,659	10,311
Renovations and alterations	3,153	267	459	1,618	3,075	8,572	6,323
Scholarships, fellowships and bursaries	3,167	3,606	887	—	—	7,660	7,366
Professional fees	892	1,054	814	—	1,913	4,673	3,412
Cost of goods sold	—	—	—	13,608	—	13,608	11,688
Debt servicing	—	—	—	3,816	15,773	19,589	17,546
Building contracts	—	—	—	—	16,318	16,318	21,289
Internal cost recoveries	(1,066)	122	944	—	—	—	—
External cost recoveries	(3,634)	(1,121)	(138)	—	—	(4,893)	(5,790)
	<u>216,366</u>	<u>21,390</u>	<u>62,757</u>	<u>36,124</u>	<u>40,064</u>	<u>376,701</u>	<u>362,093</u>
Change in year	(1,843)	2,160	(3,138)	713	(1,937)	(4,045)	3,690
Add:							
Expended from prior years' appropriations	1,898	—	—	359	4,233	6,490	7,331
Interfund transfers	1,308	(3,705)	1	(216)	1,482	(1,130)	(371)
	<u>1,363</u>	<u>(1,545)</u>	<u>(3,137)</u>	<u>856</u>	<u>3,778</u>	<u>1,315</u>	<u>10,650</u>
Deduct:							
Appropriations for the year	(1,319)	—	—	(570)	(4,000)	(5,889)	(6,490)
Add:							
Unappropriated fund balance, beginning of year	14	17,202	17,753	625	2,641	38,235	34,075
Unappropriated fund balance, end of year	\$ 58	\$ 15,657	\$ 14,616	\$ 911	\$ 2,419	\$ 33,661	\$ 38,235

MARCH 31, 1986

Report of the Vice-President, Administration and Finance

The audited financial statements are a public document. Copies of the University's audited financial statements have been provided to each University Department and the University Library. For those interested in more information than provided in these highlights, please refer to the copy in your department.

Table 1 describes the activities in each of five of the six separate funds involved in the financial life of UBC during the 1985-86 fiscal year. Excluded is the Student Loan and Endowment Principal Fund. The concept of fund accounting organizes transactions so that revenues and their related expenses are accounted for in separate funds in accordance with objectives specified by donors, limitations and restrictions imposed by sources outside the University, and determinations made by the Board of Governors.

GENERAL PURPOSE OPERATING FUND

The revenue and expenses used in the general operations of the University are in this fund. The University ended the 1985-86 fiscal year with a balance of \$58,000. There was no increase in operating income over 1984-85 with both years totalling \$214 million. However, Provincial grants were down \$3 million with tuition fees up by the same amount. The distribution of expenses was very similar to last year with the salaries and benefits remaining the same for both years at \$181 million. Total expenses at \$216 million were up by \$2 million which would have resulted in a deficit were it not for a reduction in the year-end appropriations of \$579 thousand, and an inter-fund transfer of \$1.3 million from the Specific Purposes Fund applicable to eligible operating expenses.

SPECIFIC PURPOSES FUND

The revenues and expenses used for projects stipulated by donors, and income earned on the Endowment Principal Fund are included in this fund. Trust fund revenue was \$14 million and Endowment fund revenue was \$9.5 million for a total of \$23.5 million. With expenses of \$21.4 million and a \$3.7 million interfund transfer, the year-end balance was reduced to \$15.7 million, \$1.5 million lower than last year.

SPONSORED RESEARCH FUND

Included are funds specifically identified for research grants and contracts or related activities as provided by government granting agencies, research institutes and other public and private agencies. Revenue decreased from \$63.1 million in 1984-85 to \$59.6 million this year with reductions in all Government of Canada agencies, particularly in N.S.E.R.C. and M.R.C. grants. Expenses exceeded revenue thereby reducing the research funds on hand at year-end by \$3.1 million compared to last year.

ANCILLARY ENTERPRISES FUND

Ancillary enterprises provide goods and services to the University community and are expected to operate on a break-even basis. Included are the Bookstore, Food Services, Student Housing and Conferences, Oyster River Farm and the Health Sciences Parkade. This year the fund has been increased by the addition of Parking, Athletics and Tennis, UBC Press and the Satellite Communications. Revenue increased by \$7.1 million to \$36.8 million or 24%. Expenses increased to \$36.1 million.

Table 2
Source and Distribution of the General Purpose Operating Fund for the Years Ended March 31, 1983 to 1986

	1986	1985	1984	1983
	%	%	%	%
Source				
Province of B.C.—grants	79.8	81.2	83.9	84.3
Student fees—credit	15.3	14.1	11.5	10.6
Student fees—non-credit	3.2	2.9	2.8	2.1
Income from investments	1.4	1.5	1.5	2.2
Other	.3	.3	.3	.3
	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Distribution By Function				
Academic and associated academic services	73.2	72.9	73.4	73.3
Library	7.3	7.5	7.6	7.4
Student awards and services	2.6	3.0	2.5	3.1
Administration	4.3	4.2	4.2	4.1
General	.7	.7	.6	.5
Plant	12.3	12.2	12.0	11.9
Overhead recovered on research	(.4)	(.5)	(.3)	(.3)
	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Table 5
Source and Distribution of Sponsored Research Fund for the Year Ended March 31, 1983 to 1986

	1986	1985	1984	1983
	%	%	%	%
Source				
Government of Canada	62.6	69.6	67.9	67.5
Province of B.C.	9.2	7.7	10.0	10.0
Other governments	2.8	2.2	2.3	2.2
Total governments	74.6	79.5	80.2	79.7
Individuals, business, foundations	24.9	20.1	19.4	19.6
Other	.5	.4	.4	.7
	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Distribution				
Salaries and benefits	56.7	56.6	58.0	58.2
Travel and field trips	6.1	5.9	6.2	6.3
Operational supplies and expenses	18.1	17.7	18.2	17.6
Equipment	13.1	13.7	13.0	12.7
Other	6.0	6.1	4.6	5.2
	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Table 4
Total Sponsored Research Funding (thousands of dollars)

	Amount	Index
1974-75	15,830	1.0
1978-79	25,333	1.6
1982-83	48,010	3.0
1983-84	54,906	3.5
1984-85	63,096	4.0
1985-86	59,619	3.8

Table 3
The University of British Columbia
Summary Comparisons of Total General Purpose Operating Expenses 1982-83 to 1985-86

	Salaries				Benefits	Sub Total	Travel & Field Trips	Library Acquisitions	Operational Supplies & Expenses	Utilities	Furniture Equipment & Alterations	Total
	Academic	Student Service	Staff	Total								
	%	%	%	%	%	%	%	%	%	%	%	%
1985-86 Expense	43.7	2.5	28.4	74.6	9.1	83.7	1.1	2.3	5.2	4.3	3.4	100.0
1984-85 Expense	44.0	2.3	29.1	75.4	9.1	84.5	1.1	1.9	5.7	4.1	2.7	100.0
1983-84 Expense	45.1	2.4	29.2	76.7	9.0	85.7	1.1	1.9	6.2	3.3	1.8	100.0
1982-83 Expense	44.4	2.3	28.2	74.9	8.3	83.2	1.2	2.0	7.9	2.9	2.8	100.0

CAPITAL FUND

The capital fund consists of gifts, grants, interest and authorized capital borrowing received for the purpose of acquiring capital assets including those pertaining to ancillary enterprises. \$15.8 million of the revenue and expenses are offsetting amounts which relate to servicing the debt on long-term debenture funding for completed buildings and other past capital projects by the Provincial government. The loan funds of almost \$12 million were provided for housing, bookstore, parking and other ancillary enterprise capital projects. The loans will be repaid from future operating revenues of these agencies over the next 15 to 20 years.

COMBINED FUNDS

The total revenue and expenses of all five funds are shown by object of revenue and expense. The total revenue for all funds was \$372.7 million, up \$6.9 million, most of which was in the Ancillary Enterprises Fund. Total salaries and benefits were \$237.9 million. All expense objects increased over 1984-85 except building contracts which decreased about \$5 million.

Table 2 shows the source and distribution of general purpose operating funds over the past four years. Note the decrease in the proportion of revenue from Province of B.C. grants. It drops from 84.8% in 1982-83 to 79.8% in 1985-86.

Table 3 shows a comparison of the Total General Purpose Operating Expenses by object of expense for the four years 1982-83 to 1985-86. Table 4 shows the change in total Sponsored Research Funds since 1974-75.

Table 5 shows the source and distribution of Sponsored Research Funds. Note the decrease in the proportion from governments and the increase from individuals, business and foundations.

GENERAL

During the year the staff pension plan assets of approximately \$90 million were placed with three external money managers. The Endowment Principal of about \$82.4 million was also placed with an external money manager. The Canada Trust Company was appointed trustee for these funds.

The Pulp and Paper Centre, the Shaughnessy Site Research Centre, and the Fairview Crescent Housing were the building projects completed in 1985-86.

The Campus (non-residential) Food Services began paying utilities costs this year. The parking operation was established as an ancillary enterprise which requires that it operate on a break-even basis. It assumes that

parking is a user-pay service with all income used and retained for the operation, maintenance, and capital development of parking facilities. \$2.5 million was borrowed from the Province of British Columbia and expended on improvements to B lot. The loan will be repaid from parking operating revenue over the next 20 years. The paving of these lots increased the capacity by about 1100 places. The capital fund balance for the next parkade was \$806,000 at March 31, 1986.

The general purpose operating fund budget details for 1986-87 will be included in a future issue of UBC Reports.

Bruce Gellatly

A.B. Gellatly, Vice-President,
Administration and Finance
October 1986

UBC's doors no joking matter

Dr. Richard Seaton of UBC's School of Architecture jokingly describes himself as "one of the world's most knowledgeable doormen."

However, almost a decade of research and observation of doors and how people use them has led Dr. Seaton to the conclusion that doors are not a joking matter.

Records compiled by U.S. and Canadian government departments concerned with consumer protection indicate that accidents involving ordinary doors result in between 200 and 300 deaths annually and hospital emergency treatment for upwards of 250,000 persons. (Dr. Seaton emphasizes that his research isn't concerned with car doors or special types of doors such as the all-glass door).

"These are reported accidents that are serious enough to warrant medical attention," Dr. Seaton emphasizes. "I suspect the figures could be multiplied five to ten times if less serious, unreported accidents involving doors were taken into account."

Dr. Seaton is convinced that door accidents, confusion and inconvenience are largely the result of a lack of standardization.

"There are some 5,000 door manufacturers in North America," he says, "but they have not focussed on the human use of doors. Most of the emphasis has been on fire protection and security and the aesthetic appearance of doors."

What the door user needs, he says, is a standardized set of signals analogous to those that have been developed to help minimize mistakes by car drivers. He admits, however, that even international efforts to standardize door signage have not been very successful.

Why not label every door either "Push" or "Pull" then?

"The problem is that both those words in English begin with the same two letters," says Dr. Seaton. "Experience has shown that people often misread the two words and do the opposite of what's intended."

Then why not doors that open both ways?

Double swing doors have some notable deficiencies, Dr. Seaton says. "They leak from the positive air pressure caused by air conditioning or create drafts as the result of negative air pressure caused by wind. And anyone who's worked in a restaurant knows that double swinging doors can

cause noisy accidents."

Yet another factor that causes confusion and inconvenience is the lack of standardization of the hardware that is used to open and close doors and its positioning on doors.

"The most efficient way of opening a door is to extend your arm and push or pull at roughly shoulder height," Dr. Seaton says. "But the hardware on most doors is located roughly at hip height. This means the user has to use more energy than necessary and if you're burdened with books, as most people are at UBC, hardware location can cause additional inconvenience."

People leaving buildings are often confused by the type of door that is opened by a push bar. They'll often try to open it by pushing on the wrong end of the bar. "The manufacturers like to think that people will look up to see the location of the door hinge," says Dr. Seaton. "But people simply don't do that and are often confused and irritated by this type of door."

"This problem could be solved with a standardized push plate and pull handle that would alert the user to the appropriate place to push or pull. Using identical hardware such as door knobs on both sides of a door simply isn't very informative."

Currently, Dr. Seaton is studying B.C. Transit and the provincial ferry system traffic-flow problems in long passenger corridors with doors.

Dr. Seaton observes and videotapes crowds leaving: the Sea Bus terminal on the Vancouver waterfront (via the long corridor over the CPR railway tracks); and the elevated corridor at the Tsawwassen ferry terminal (where foot passengers disembark without interfering with car and truck traffic).



Dr. Seaton in front of the music building

Seaton eyes difficult doors

UBC Reports asked Dr. Seaton to look at a number of doors on the campus. Here are his comments.

New metal doors on the west side of the Geography Building.

"The people who use this building must be midgets. The hardware for opening this door can't be more than three feet from the bottom of it. Very inconvenient for entering the building, particularly if you're carrying something."

"People leaving the building will probably be confused about which end of the push bar to use because it is identical at both ends and the hinging is all wrong. For error-free use, the



hinges should be located on the side of the frame nearer to an adjacent wall and the door should have clearly marked push plates on its free side."

Inside the Geography Building, Dr. Seaton came on an electrically operated door that was clearly meant to be open at all times but designed to close automatically in case of fire. Someone had put stickers on the door that read "Fire Exit. Please keep door closed."

His comment: "Just plain loony."

Doors to the Music Building.

"The problem here is that the hardware on both sides of the door is identical and looks like a push plate. Someone entering the building might be confused and attempt to push when they should pull. The solution would be a handle on the outside of the door that would provide a clear signal to the user that he or she had to pull."

Doors to the Main Library.

"Here's a situation where you have an outer set of doors leading into a vestibule where you encounter a second set of doors leading into the library lobby. The outer set of doors are heavy and require more energy than is necessary to open. The pair of outer doors on the right open inward, which violates the normative rule that you enter a building by pulling the door open. The designer was probably thinking in terms of trying to make it easier to enter the building. The inner set of doors open outward with the result that you have the potential for accident and inconvenience."

"There's also been a lame attempt to control entry and egress by labelling the doors 'In' and 'Out.' But the lettering has become shabby and wouldn't be easily readable in any case because it's black against the black interior of the library. My guess would

be that there is a lot of confusion about which of the four doors one uses to enter and leave the building and how one operates them."

Doors leading to Room 102 of the Law Building (major classroom also used for monthly meetings of UBC's Senate).

"About as irritating and inconvenient a set of doors as could be imagined. If you have to unlock the door and you're carrying something you would literally have to pull it open with the key. Then, as you pull the door through its opening arc, the load increases instead of decreasing or at least remaining constant. There's a door stop embedded in the floor that prevents the door opening wide. Damned inconvenient to get through if you're carrying a heavy load. The tension on the door could possibly be adjusted by that screw on the closer but likely no one is monitoring the problem. A plain bad door from many points of view, awkwardly designed."



Doors to geography (upper right) and Main library (bottom)

PEOPLE

International award for English prof.

Dr. Andrew Parkin of the English department has been awarded a prestigious Humanities Research Centre fellowship at the Australian National University in Canberra in the June-August period, 1987.

Dr. Parkin, who edits the *Canadian Journal of Irish Studies* and is widely known for his writing on modern drama, will pursue a research project in Australia and participate in a July conference on oriental influences on western literature.

Dr. Sheila Egoff, professor emeritus of librarianship, will be in Fredericton Oct. 19 to accept the honorary degree of Doctor of Letters at the fall congregation of the University of New Brunswick.

Prof. Egoff, who retired from teaching duties in 1983, was one of the founding members of the UBC librarianship school in 1961 and is internationally known for her research and writing on literature and library services for young people.

Prof. Kal Holsti, former Head of the Department of Political Science, is one of three foreign "Distinguished Guest Speakers" invited to address the 30th Anniversary commemorative conference of the Japan Association of International Relations, Tokyo, Oct. 18-19. He joins Prof. Susan Strange, Montague Burton Professor of International Relations at the London School of Economics and Political Science, and Prof. Huan Xian, Director of the Centre for International Studies, State Council of China.

David Mattison, a graduate of UBC programs in creative writing and librarianship, was the recipient of an award of merit from the Association for Canadian Studies for his writing activities.

In addition to publishing numerous articles on photographic history in journals, he published in 1985 a biographical directory of more than 475 persons involved in the photographic industry of B.C. Mr. Mattison is now employed by the provincial archives in Victoria.

Another UBC graduate, Dr. Philip Tetlock, who currently teaches at the University of California at Berkeley, has been named one of the winners of the

American Psychological Association's Early Career Achievement Award for 1986.

Dr. Tetlock received his bachelor and master of arts degrees from UBC before going on to Yale for his Ph.D. He was awarded the Governor-General's Gold Medal when he graduated with his BA degree.

Karen Firis, who was awarded her Master of Arts degree in film studies in May, was the overall winner at the 17th Canadian Student Film Festival held in conjunction with Montreal's August Film Festival.

She won the \$1,000 Norman McLaren Award for her 16-minute film entitled *Fashion 99*, in competition with 60 other movies submitted by students at 12 other colleges and universities.

Dr. Joseph Belanger of the Department of Language Education in the Faculty of Education was elected president of the Canadian Council of Teachers of English at the council's annual meeting in Ottawa.

Norman Young of the Department of Theatre was honored at the annual Jessie Richardson Theatre Awards, which recognize outstanding acting and management skills. Mr. Young was the recipient of the Vancouver Professional Theatre Alliance Award for his contributions to the Vancouver theatre scene over time.

Creative writing graduate student Scot Morison has taken top honours in the first Alberta Television Script Competition.

His half-hour drama, *Follow-Up Story*, netted him a \$1500 prize, awarded by Alberta Culture and co-sponsors ITV and CFAC TV.

In conjunction with the second and third prize winners and runners up, Scot participated in a script development workshop in August, where one of the group's script was to be polished for co-production by ITV and CFAC.

Winona Kent, an MFA58 graduate and former managing editor of *Prism* magazine, was a prize winner in the recent Okanagan Fiction Competition. Her story appeared in a volume edited by Geoff Hancock, a 1975 MFA

graduate, who was also a judge in the competition.

Jeffrey Schaire, a 1977 MFA graduate and *Prism* contributor, figured prominently in the Aug. 18 edition of *Time* magazine (Page 46) that dealt with the secret Andrew Wyeth paintings. He has worked for *Harper's* magazine and was editor and designer of a book by Izaak Singer in the same year he won the Nobel Prize.

Three members of the University community, all graduates of UBC, died over the summer.

Dr. Gordon D. McGregor, a member of the French department since 1981, died Aug. 30 after suffering a stroke in mid-July. He was 38.

Dr. McGregor graduated from UBC in 1970 with double honours in French and Theatre. He did graduate work at Princeton University, where he was awarded MA and PhD degrees.

Dr. J. Ranton McIntosh, professor emeritus of education, died May 29 at the age of 77. He was a UBC faculty member for 27 years from 1948 until his retirement in 1975.

Dr. McIntosh was director of teacher training at UBC from 1952 to 1956, when the provincial normal school moved to UBC and became the Faculty of Education. For the balance of his career at UBC, Dr. McIntosh served as director of the secondary division of the faculty.

Under the terms of his will, UBC will receive \$150,000 for "furthering the work of the Faculty and College of Education."

John F. McLean, who held a number of senior administrative appointments related to personnel, ancillary and student services during a 31-year career at UBC, died July 26 at the age of 75.

Mr. McLean joined UBC in 1945 after a distinguished war career with the Seaforth Highlanders. He won the DSO in Italy. Initially he headed a combined department of personnel and student services at UBC.

"Colonel" McLean, as he was universally known on the campus, was named director of Personnel and Ancillary Services in 1963. He ended his career at UBC as director of Personnel Analysis and Policy.



Two members of the UBC Library's catalogue records division, Mr. Young Yu Ahn and Mrs. Tong Sook Chang, are cataloguing more than 2,000 Korean-language titles to be added to the Asian studies library in the Asian Centre. The collection, donated by the Daehan Kyokuk Insurance Co. of Seoul, includes books on Korean history, language and literature, and sociology.

UBC Calendar

THE INSTITUTE



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

NOTICES

Agricurl.
Curling will commence Tuesday, Oct. 14 at 5 p.m. in the Thunderbird Curling Rink. For both experienced and beginning curlers. Fees (Oct. through March) and the closing banquet are \$65.00. More information may be obtained from A. Finlayson, 228-4707, P. Willing, 228-3240 and J. Sheldford 228-6578.

Homecoming Weekend.

For the perfect Homecoming Weekend, have your visitors stay right on campus. A comfortable one-bedroom suite in the Walter Gage Lowrise is only \$45 per night single or double occupancy. For reservations call, 228-2963.

VANCOUVER

Saturday, Oct. 11

Concepts of Justice. Prof. David Braybrooke, Political Science and Philosophy, Dalhousie.

Saturday Oct. 18

Engineering the Future. Sir Alan Cottrell, Master, Jesus College Cambridge.

Pipers and Drummers.

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

Computing Centre Fall Open House.

The Computing Centre is holding an Open House on Thursday, Oct. 9 from 12:30 - 3:30 p.m. Visitors will be able to take a self-guided tour of the Machine Room and see the mainframe computers and their peripheral equipment. Staff members will be stationed at points along the tour route to answer any questions. The starting point of the tour will be the Reception Area, Room 100, Computer Sciences Building. Note that this will be the only opportunity for students to see the Machine Room during this term. For further information please call 228-4295.

Faculty Staff Exercise Class.

Monday, Tuesday and Thursday 12:30 - 1:05 p.m. Robert Osborne Gymnasium B East. For further information call 228-3996.

Volleyball.

Faculty and staff volleyball group meets from 12:30 - 1:30 p.m. every Monday (Gymnasium A) and Wednesday (Gymnasium B) in the Robert Osborne Centre. New or experienced players are welcome to participate in recreational games at anytime. For further information, call Ken Coutts, 228-3838.

Fine Arts Gallery.

Life Jackets. Recent paintings by Judith Lodge at the Fine Arts Gallery until Nov. 8. Tuesday to Friday, 10 a.m. - 5 p.m. Saturday, 12 noon - 5 p.m. For further information, call 228-4381.

Radiation Protection Courses.

The second session of the Radiation Protection Course is scheduled for Oct. 20 - 23. The course is aimed at UBC faculty, technicians and students who will be using radioactive materials this year. All new users must attend the course before ordering or handling any radioisotope. Additional course sessions are scheduled for the following periods: Nov. 17 - 20; Dec. 15 - 18; Jan. 19 - 22; Feb. 23 - 26; March 23 - 26. All sessions will be held from 9 a.m. to noon, except those in December and January, which will meet from 1 to 4 p.m. To register, send a memo to Armando E. Zea, Radiation Protection Office, G-325, Acute Care Unit, giving name, department, supervisor's name (if applicable), office or lab phone number and first or second choice of course dates. Telephone applications are not allowed.

Badminton Club.

Faculty and Graduate Student Badminton Club meets Tuesday, 8:30 - 10:30 p.m. and Fridays, 7:30 - 9:30 p.m. (except Oct. 10 and 24) in Gymnasium A of the Robert Osborne Sports Centre. Fees \$15.00 per year. New members welcome. For more information call Bernie 228-4025.

Photography Exhibit.

Pacific Rim: The Scenic Wonders of Our Living Land, by Wah-Youk John Louis, Scenic Wonders Photography Association. Oct. 10 to Oct. 19. Free. Asian Centre Auditorium. 12 noon - 5 p.m.

MONDAY, OCT. 13 Thanksgiving Day Holiday.

University Closed.

TUESDAY, OCT. 14 History Lecture.

The Netherlands and Asia: Shipping of the Dutch East India Company. Prof. J. R. Bruijn, Leiden. Room A102, Buchanan Building. 12:30 p.m.

Cecil H. and Ida Green Visiting Professor.

Technological Power and Social Responsibility. Sir Alan Cottrell, Materials Science, Jesus College, Cambridge University. Room A106, Buchanan Building. 12:30 p.m.

Chemistry Seminar.

Marine Natural Products as Exploratory Leads in the Development of Anti-Inflammatory Drugs. Dr. William Fenical, Institute of Marine Resources, Scripps Institution of Oceanography. Room 250, Chemistry Building. 1 p.m.

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UBC Calendar

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Oceanography Seminar.

An Accuracy Analysis of Selected Finite Difference Models. M. Foreman, Oceanography, UBC. Room 1465, Biological Sciences. 3:30 p.m.

Metallurgical Engineering Seminar.

The Metallurgical Industry, Materials and Canada. Dr. J. P. McGeer, Director, Alcan International Ltd., Kingston Laboratories. Room 317, Frank Forward Building. 3:30 p.m.

Medical Genetics Seminar.

A Gene Expression in the Human Brain. Dr. Randall McKinnon, Scripps Institute, La Jolla, California. Room F167, Koerner Pavilion. 4 p.m.

Research Centre Seminar.

Metabolic Defense Mechanisms Against Hypoxia. Dr. Peter Hochachka, Zoology, UBC. Room 202, The Research Centre, 950 West 28th Avenue. 4 p.m.

WEDNESDAY, OCT. 15 Computer Show.

UBC computer suppliers display their latest wares. Continues on Oct. 16. Information: 228-2348. Free. Ballroom and Party Room, Student Union Building. 10 a.m. - 4 p.m. daily.

Pharmacology and Therapeutics Seminar.

The Ability of Mn⁺⁺ to Inhibit and then Potentiate Smooth Muscle Contraction. Dr. M. C. Sutter, Pharmacology and Therapeutics, UBC. Room 317, Basic Medical Sciences Building, Block C. 12 noon.

Forestry Seminar.

Growth and Yield Predictions and Their Uses. Dr. Kim Isles, MacMillan Bloedel Ltd. Room 166, MacMillan Building. 12:30 p.m.

Noon-Hour Recital.

Eric Wilson, cello. Recital Hall, Music Building. 12:30 p.m.

Cecil H. and Ida Green Visiting Professor.

Modern Structural Materials. Sir Alan Cottrell, Materials Science, Jesus College, Cambridge University. Room 1202 Civil and Mechanical Engineering Building. 12:30 p.m.

Poetry Reading.

Reading by Canadian poet Lorna Crozier, author of Humans and Other Beasts, Crow's Black Joy and the recent The Garden Going On Without Us. Buchanan Penthouse. 12:30 p.m.

Comparative Literature Colloquium.

A Performing Self and Its Collapse: Henry Fielding and the History of Social Identity. Prof. Edward Hundert, History, UBC. Buchanan Penthouse. 3:30 p.m.

Geography Colloquium.

Zoning: Economic and Policy Considerations. Prof. Michael Goldberg, Commerce and Business Administration, UBC. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.

Implicit Scaling in the Choice of Organism: On When to Make Studies of Mice and Men. Dr. Timothy Allen, Botany, University of Wisconsin. Room 2449, Biological Sciences Building. 4:30 p.m.

Cinema 16.

Muddy River, part of the Japanese film series. \$2.00 plus a one time \$1.00 membership fee. SUB Auditorium, 7 and 9:30 p.m.

Classical Music Nights.

The Graduate Student Society sponsors jazz and classical music nights every Wednesday evening in the Graduate Student Centre Lounge. 8:30 - 11:30 p.m.

THURSDAY, OCT. 16 Office for Women Students Workshop.

Assertiveness for Women -- Basic and Social. Provides an introduction to basic communications skills. Repeated on Oct. 23 and 30. Enquiries: 228-2415. Free. Room 105A, Brock Hall. 12:30 p.m.

UBC Contemporary Players.

Stephen Chatman and Eugene Wilson, directors. Music of Lutoslawski, Reich, Fortner and Schoenberg. Recital Hall, Music Building. 12:30 p.m.

Office for Women Students Workshop.

Essay Skills Workshops by Nancy Horsman. Repeated on Oct. 23 and 30. Enquiries: 228-2415. Free. Room B212, Buchanan Building. 12:30 p.m.

Finance Workshop.

Capital Structure and Imperfect Competition in Products Markets. Franklin Allen, Wharton School, University of Pennsylvania. Room 419, Henry Angus Building. 1 p.m.

Cecil H. and Ida Green Visiting Professor.

Technological Olympics. Sir Alan Cottrell, Materials Science, Jesus College, Cambridge University. IRC 6. 1:30 p.m.

Condensed Matter Seminar.

The Recirculating Cryogenic Hydrogen Maser. Martin Hurlmann. Room 318, Hennings Building. 2:30 p.m.

Psychology Colloquium.

Experimental and Physiological Correlates of Extraversion and Introversion. Dr. Manfred Amelang, Psychologies Institut Der Universität Heidelberg. Peter Suedfeld Lounge, Kenny Building. 4 p.m.

Asian Research Seminar.

Towards a Social Revolution in a Sri Lankan Village. Dr. Barrie M. Morrison, Asian Studies, UBC. Seminar Room 604, Asian Centre. 4:30 p.m.

Alumni Association.

Reception and fashion show for those wishing to know more about facilities at Cecil Green Park House. If you plan to attend, call Carrie Holcapek, 228-3313. Cecil Green Park House. 5 - 7 p.m.

Theatresports.

The Graduate Student Society sponsors Theatresports featuring the Vancouver Theatresports League every Thursday evening. Graduate Student admission is \$4. Bar service available. Graduate Student Centre Ballroom. 8 p.m. - 10 p.m.

FRIDAY, OCT. 17 History Lecture.

The Jerusalem Question in International Diplomacy. Bernard Wasserstein, History, Brandeis University. Room B212, Buchanan Building. 12:30 p.m.

Pharmaceutical Sciences Seminar.

Cytochromes P-450: Enzyme and Substrate Radicals. Dr. D. Dolphin, Science, UBC. IRC 3. 12:30 p.m.

Office for Women Students.

Workshop on the Imposter Syndrome by Janet Fraser, Centre for Continuing Education. Designed for women in graduate studies to explore the causes and consequences of the Imposter Syndrome. Suggestions for overcoming anxiety associated with feelings of fraudulence will be offered. Free workshop lasts two hours. Room 223, Brock Hall. 12:30 p.m.

Medical Genetics Seminar.

Report on International Congress of Human Genetics. Faculty. Parentcraft Room, Grace Hospital, 4490 Oak Street. 1 p.m.

Finance Workshop.

Contracts to Sell Information. Franklin Allen, Wharton School, University of Pennsylvania. Penthouse, Henry Angus Building. 3:30 p.m.

SATURDAY, OCT. 18 Health Sciences Research Day.

Health Sciences students will present the results of research projects. Lecture halls 1, 3, 4, 5 and 6, Woodward Instructional Resources Centre, and Room G279, Koerner Acute Care Unit. 12:30 - 5:30 p.m.

Guest Artist Performance.

Works by visiting Italian composer Luciano Berio, performed by musicians and dancers of the Musicus Concentus of Florence, Italy. Co-sponsored by the Italian Cultural Institute. Tickets: \$7.00 adults; \$4.00 students/seniors. For further information call, 228-3113. Recital Hall, Music Building. 8 p.m.

MONDAY, OCT. 20 Cancer Research Lecture.

Site Directed Mutagenesis and the Synthesis of Mammalian Pituitary Hormones by Bacteria. Dr. Dennis Luck, Biochemistry, UBC. Lecture Theatre, B.C. Cancer Research Centre, 601 West 10th Avenue. 12 noon.

Medicine Rounds.

Physiological Role of Atrial Natriuretic Factor. Dr. Harald Sonneberg, Physiology, University of Toronto. S168, Patrick O'Doherty Conference Room, Health Sciences Centre Hospital. 12 noon.

Alumni Awards Luncheon.

Judith Forst will be presented with the Alumni Award of Distinction at a luncheon and recital. Please call the Alumni Program Office 228-3313 for more details. Meridian Hotel. 12:15 p.m.

Poetry Reading.

Reading by Canadian poet Robert Bringhurst, author of The Beauty of the Weapons and the recent Pieces of Map, Pieces of Music. Sponsored by the English Department and the Canadian Writer's Union. Buchanan Penthouse. 12:30 p.m.

Biochemical Discussion Group.

Mechanism of Splicing of Precursor mRNA. Dr. Phillip A. Sharp, Director, Center for Cancer Research, MIT. IRC 2. 3:30 p.m.

Mechanical Engineering Seminar.

Sloshing Motion in Nutation Dampers and its Application to Wind Engineering. Mr. Francois Welt, Graduate Student, Mechanical Engineering, UBC. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

Symmetry and Separation of Variables for PDE's. Dr. G. Reid, Mathematics, University of Waikato, New Zealand. Room 229, Mathematics Building. 3:45 p.m.

Astronomy Seminar.

Star Formation. Dr. Richard N. Henriksen, Physics, Queen's University. Room 260, Geophysics and Astronomy Building. 4 p.m.

Physiology Seminar.

Renal Mechanism of ANF. Dr. Harold Sonnenberg. IRC 1. 4:45 p.m.

TUESDAY, OCT. 21 Chemistry Seminar.

Enzymes in Organic Chemistry. Some Illustrative Examples. Prof. J. Bryan Jones, Chemistry, University of Toronto. Room 250, Chemistry Building. 1 p.m.

Metallurgical Engineering Seminar.

Mathematical Modelling of the ESR Process. Bernardo Hernandez, Graduate Student, Metallurgical Engineering, UBC. Room 317, Frank Forward Building. 3:30 p.m.

Oceanography Seminar.

Damped Capillary Waves Revisited. Dr. P. H. LeBlond, Oceanography, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

WEDNESDAY, OCT. 22 Office Automation.

Manufacturers will show the latest in office automation equipment. Information: 228-2348. Continues on Oct. 23. Free. Ballroom, Student Union Building. 10 a.m. - 4 p.m. daily.

Hewitt Bostock Memorial Lecture.

Reading and Talk on Music and Poetry. Mr. Ralph Gustafson, Canadian poet. Penthouse, Buchanan Building. 12:30 p.m.

Noon-Hour Recital.

Martin Berinbaum, trumpet, Johannes Somary, organ. Music by Nellybel, Sommerfeldt, Hindemith, Somary, Vaughan-Williams and Pinkham. Recital Hall, Music Building. 12:30 p.m.

Geography Colloquium.

Measurement and Modelling: Cornerstones of Environmental Science. Prof. John Hay, Geography, UBC. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.

Territorial Resource Use in Fishing (TURF) and the Management of Small Scale Fisheries: A Case Study of Lake Titicaca in Peru. Mr. Dominique Laviell, Community and Regional Planning, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

THURSDAY, OCT. 23 Psychiatry Lecture.

Symptom and Symbol in Diagnosis and Therapy. Dr. Renaat Devisch, Social and Cultural Anthropology, University of Leuven, Belgium. Room 2NA/B, Psychiatric Pavilion, Health Sciences Centre Hospital. 9 a.m.

IAESTE Information.

An information meeting of the International Association for the Exchange of Students for Technical Experience will be held in Room 1202, Civil and Mechanical Engineering. 12:30 p.m. For more information contact the Co-operative Education Office, Room 213, Brock Hall, or phone 228-3022.

Leslie Schaffer Forestry Lecture.

Wood Properties and Anatomical Structure - An Intimate Relationship. Prof. Wilfred A. Cote. Room 166, MacMillan Building. 12:30 p.m.

University Wind Symphony.

Martin Berinbaum, director and trumpet soloist. Old Auditorium. Free admission. 12:30 p.m.

Condensed Matter Seminar.

Magnetism in bcc solid 3He. Yoshika Masuda, Aichi-Gakuin University. Room 318, Hennings Building. 2:30 p.m.

FRIDAY, OCT. 24 Office for Women Students Workshops.

First of four sessions on Women and Self-Confidence. Other sessions on Oct. 31, Nov. 7 and 14. Focus will be on overcoming shyness and building self-esteem. Enquiries: 228-2415. Free. Room 106A, Brock Hall. 12:30 p.m.

Band Festival Concert.

Martin Berinbaum, director. For further information call, 228-3113. Recital Hall, Music Building. 12:30 p.m.

Pharmaceutical Sciences Seminar.

Biosynthesis of Plasmalogen in the Guinea Pig Heart. Monica Wientzek, Pharmacology and Toxicology, UBC. IRC 3. 12:30 p.m.

German Studies Reading.

Per Wastberg, Swedish writer and past president, International Pen Club, reads from his works. Buchanan Penthouse. 12:30 p.m.

Native Law Program.

In Honour of All. Film. Room 101-102, Law Building. 12:30 p.m. For further information, call 228-6165.

Medical Genetics Seminar.

Evolutionary Aspects of Eukaryotic Transposons. Linda Harris, Medical Genetics, UBC. Parentcraft Room, Grace Hospital, 4490 Oak Street. 1 p.m.

Regional Mass Spectrometry Discussion Group.

Analytical Instrumentation in Clinical Investigation. Dr. W. Godolphin. Room 1200, Clinical Chemistry, Laurel Street Pavilion, First Floor, VGH. 2 p.m.

Rutherford Lecture.

The Incorporation and Loss of Volatiles by the Earth. Prof. R. K. O'Nions, Earth Sciences, Cambridge University. Sponsored by Royal Societies of London and Canada. IRC 6. 3:30 p.m.

Graduate Music Colloquium.

The Chant of the Keivan Rus: The Byzantine Beginnings of Russian Liturgical Music. Gregory Myers. Seminar Room, Music Room. 3:30 p.m.

Finance Workshop.

Bankruptcy Costs and the Theory of Oligopoly. Jim Brander, UBC. Penthouse, Henry Angus Building. 3:30 p.m.

University Wind Symphony.

Martin Berinbaum, director and trumpet soloist. Old Auditorium. Free admission. 8 p.m.

SATURDAY, OCT. 25 Band Festival Concert.

Army Band Concert. For further information call, 228-3113. Recital Hall, Music Building. 12:30 p.m.

Band Festival Concert.

Pacific Wind Ensemble. Morrie Backun conductor. For further information call, 228-3113. Old Auditorium. 8 p.m.

FIRST CLASS MAIL

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Calendar Deadlines.

For events in the period Oct. 26 to Nov. 8, notices must be submitted on proper Calendar forms no later than 4 p.m. on Thursday, Oct. 16 to the Community Relations Office, 6328 Memorial Road, Room 207, Old Administration Building. For more information, call 228-3131.