

UBC REPORTS

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Late budget means financial difficulties

UBC's president, Dr. K. George Pedersen, continues to carry out an intensive round of consultations with deans and other University officials in order to resolve what he describes as a "difficult" 1983-84 budget situation.

In an interview with *UBC Reports*, Dr. Pedersen said the University's financial difficulties largely stem from the fact that "we are two months into the second

quarter of the fiscal year with commitments to everything that was in place at the end of the last fiscal year." (The full text of the interview with Dr. Pedersen begins on page two of this issue.)

UBC's current fiscal year began on April 1, 1983. However, the provincial government did not introduce a budget in the legislature until early July, and it was not until Aug. 9 that the Universities

Council of B.C. announced the division of government grants to the three public universities.

In his *UBC Reports* interview, Dr. Pedersen said it was incorrect to say that UBC will have the same operating budget in 1983-84 as it had in the last fiscal year.

The operating grant to the universities for 1983-84 totalled \$300,993,292, exactly what was provided last year after a \$12

million rollback in the middle of the financial year. UBC's share of the global grant is \$172,370,508 for general operating purposes, plus \$8,342,405 for expansion of the medical school, the same as last year.

However, the government has reduced by about \$3 million the funds for a wide range of miscellaneous higher-education programs which are designated in the ministry budget as "Operating Grants-Other." In UBC's case, a total of more than \$2 million has been removed under this category for the support of such programs as Health Care Teaching Costs, the Industrial Education Program, non-metropolitan programs and a project in the UBC library involving computerization of library holdings.

UBC also has to fund permanently a liability of about \$1.1 million arising out of faculty salary increases awarded last year and must provide an additional \$800,000 to pay for increased utility costs in 1983-84.

These commitments, the president said, total between \$3.5 and \$4 million and don't take into account salary increases for faculty and support staff, inflation on supplies and expenses and the introduction of new programs.

"I'm not at all sure that the University can deal with a problem of (that) magnitude... five-twelfths of the way through the fiscal year.

"It may be that when we've considered everything in the way of options UBC, for the first time in its history, may have to seek approval of the provincial government to run a deficit."

Under Section 28 (1) of the University Act, the provincial legislation that outlines University government, the University's Board of Governors is prohibited from incurring any liability or making any expenditure in a fiscal year over and above the total of funds expected from the provincial government, student fees and miscellaneous revenues, "unless an estimate of the increased liability or overexpenditure has been first submitted to the universities council and approved by the minister (of universities) and Minister of Finance."

The president also expresses concern about a problem arising out of the expansion of UBC's medical school. He said the position of provincial universities minister Dr. Patrick McGeer is that sufficient monies have already been provided to enable the medical school to double its intake of first-year students from 80 to 160.

UBC will this year enrol 130 first-year medical students, the same number as last year. UBC received no increase in funds in its 1983-84 budget to enable it to consider expanding the first-year class beyond 130 students.

The president said he had received a letter from the provincial ministry of universities indicating that if expansion to 160 students does not occur the minister would be forced to reallocate funds from the medical expansion program to the development of equally important programs at other B.C. universities.

Dr. Pedersen also said in his *UBC Reports* interview that serious consideration will have to be given in the coming year to placing enrolment restrictions on UBC programs that currently do not have enrolment limits.

UBC won't lack students in 1983-84

UBC may be experiencing some fund shortfalls this year, but there's one thing it won't lack in 1983-84 — students.

UBC Registrar Kenneth Young says enrolment at UBC could increase between 8 and 9 per cent this year — a rate of increase UBC hasn't experienced since the 1960s.

His guess is based on the number of authorization-to-register forms which were issued up to the end of August. This year, 30,813 forms were issued compared to 28,367 at the same time last year.

That's an increase of 2,446 or 8.6 per cent.

The number of forms issued to students classified as new admissions (applicants for first-year programs and transfers from colleges and other universities) is also up by nearly 20 per cent from 7,566 in 1982 to 9,024 this year.

Mr. Young doesn't have comparable figures for the number of forms issued for first-year programs as of Aug. 31.

However, as of Sept. 15 last year, forms had been issued to 4,053 entrants at the year-one level. The comparable figure for the same programs as of Aug. 31 this year is 4,623, an increase of 14 per cent.

The registrar is quick to point out that not everyone who gets an authorization-to-register form actually shows up to register. He said the "shrinkage" rate in the past has varied between 10 and 15 per cent, but last year dropped to 8.9 per cent.

Some quick calculations will tell you that if the shrinkage rate this year is the same as last, some 28,000 students will register for day and nighttime credit programs, an increase of 8.6 per cent over last year when 25,831 enrolled.

The biggest increases in enrolment are likely to be in the Faculties of Arts and Science, Mr. Young said.

UBC's dean of Science, Dr. Cyril Finnegan, said his faculty would be hard pressed to accommodate even 100 more undergraduate students than the 3,885 who enrolled last year. His problems centre on a lack of classroom and laboratory space.

UBC's Faculty of Forestry will introduce its new four-year program this year, which means it will be taking in students directly from high school for the first time in its history.

A total of 129 students have been admitted to the first year of the new program. Students who last year were



Dr. Roy Taylor, right, head of UBC's Botanical Garden, was among the first visitors to Norman MacKenzie House when UBC's new president, Dr. George Pedersen, and his wife, Joan, moved into the renovated house on Sept. 1. Appropriately, Dr. Taylor brought with him a bouquet of flowers from the campus garden, which formerly had its headquarters in the house and which has moved a stone's throw away to the former Home Management House on Northwest Marine Drive.

Pedersen Exchange provides chance to air your concerns

Dr. George Pedersen, UBC's new president, plans to continue at UBC one activity he initiated while president of Simon Fraser University.

It's called the Pedersen Exchange and is designed to give any member of the on-campus University community an opportunity to meet personally with the president to discuss matters of concern.

The Pedersen Exchange begins on Monday (Sept. 12) at 3:30 p.m. in a room adjacent to the Librarian's office in the Main Library. President Pedersen will be available until 5 p.m.

Members of the University community who wish to meet with the president should speak to the receptionist in the Librarian's office, which is immediately to the left of the main entrance of the Main Library building. She'll direct those wishing to see the president to the meeting room.

"As I see it," President Pedersen said,

"the exchange allows me to get to know people in the University community and at the same time provides an avenue for the expression of concerns, both positive and negative."

He said the exchange proved to be both useful and successful when he was president of Simon Fraser University. "The bulk of those who took advantage of it were students who had some difficulty with the organizational bureaucracy of the university."

Not all those who appeared for the exchange came with problems. "I found that many people came to tell me how well they'd been treated by some campus unit," he said.

Normally, the Pedersen Exchange will take place every Monday from 3:30 to 5 p.m. if the president is on campus. It is cancelled for Sept. 19 because Dr. Pedersen will be away on that date.

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See ENROLMENT

AN INTERVIEW WITH UBC'S NEW PRESIDENT

Enrolment limitations may be necessary at

UBC Reports interviewed UBC's new president, Dr. K. George Pedersen, on two occasions last month — on Aug. 2, the day before he left for meetings of the Association of Universities of the British Commonwealth in England, and on Aug. 29, shortly after his return to the campus. What follows is an amalgamated version of the two interviews, during which he discussed a wide range of University problems and activities.

UBC REPORTS: On Aug. 9, more than four months after the start of the current fiscal year, the University was told by the Universities Council of B.C. what its operating budget would be for 1983-84. In the time that's been available to you since your return from meetings in England, what have your priorities been?

PRESIDENT PEDERSEN: Basically, we've been trying to understand where the University stands financially. We're in a difficult financial position, largely stemming from the fact that we are two months into the second quarter of the fiscal year with commitments to everything that was in place at the end of the last fiscal year.

The stories that have appeared in the media seem to indicate that we have the same operating budget as last year. In UBC's case that's not true. We have the same dollars in the general operating budget, but in terms of special funding for a number of specific programs, which comes under the heading of "Operating Grants-Other" in the provincial budget, a total of more than \$2 million applicable to UBC been removed. It appears the University is expected to find the shortfall out of its general operating budget.

UBC REPORTS: Can you be specific about the items which have been removed under Operating Grants-Other?

PRESIDENT PEDERSEN: Most of the shortfall — just over \$1.6 million — is accounted for under two headings — Health Care Teaching Costs* in the Faculty of Medicine and the Industrial Education program** in the Faculty of Education.

Last year, the funds for Industrial Education were cut in half by the government and this year the allocation has been reduced to zero. Last year, we met the other half of our obligation in this area through surplus funds, but this year we're not in a position to provide support from that source. The deans of Medicine and Education are looking at these matters closely.

The other large reduction is in the funding for non-metropolitan programs, which is vital to our commitment to extend programs beyond the Greater Vancouver area.

UBC REPORTS: What other fiscal problems do we have?

PRESIDENT PEDERSEN: We have a liability arising out of faculty salary increases awarded last year. That liability is of the order of \$1.1 million and was to be met in whole by not replacing a number of retiring faculty members. There remains a gap of about \$250,000 to be found. And funds of the order of \$800,000 have to be found to provide for anticipated increases in the cost of utilities.

To this point, I have mentioned commitments totalling some \$3.5 to \$4 million. There is also the question of providing salary increases for our teaching and support staff. Some 89 per cent of our general operating budget comprises salaries and benefits, two-thirds representing faculty costs and one-third support staff.

*Health Care Teaching Costs pay for UBC library and audio-visual space as well as utility costs at affiliated Vancouver hospitals where UBC medical students receive clinical training.

**The Industrial Education program of the Faculty of Education enrolls 100 students who are being trained as teachers of industrial arts at the secondary school level. UBC is the only B.C. university involved in the training of such teachers. The program was undertaken by UBC in 1957 at provincial-government request.

Each 1 per cent increase in the salary base is equal to \$1.8 million.

I should mention, too, that nothing has been provided for inflation on non-salary items, nor for the provision of new programs in pulp and paper engineering and journalism, which we would like to launch.

So our short-run problem to balance the 1983-84 books is considerable and is compounded by the shortage of time. It may well be that after considering all the options UBC, for the first time in its history, may have to seek approval from the provincial government to run a deficit.

Added to this is a problem arising out of the expansion of the medical school. A letter has been sent to me indicating that it's the position of the minister (Dr. Patrick McGeer, minister of universities) that he has given UBC all the funds it needs to double enrolment in first-year medicine from 80 to 160 students. + And it's been indicated that if we don't comply with that expectation, resources will be withdrawn and applied to programs at the other two universities.

So that's another problem we're going to have to deal with. The problem of the medical school is not an isolated one, even though there was a clear understanding that expansion of the medical school would not be at the expense of any existing program.

UBC REPORTS: In the light of what you've said so far, do you think student fees will have to increase?

PRESIDENT PEDERSEN: The University has only three possible options at the present time in terms of financial support. One is that the government will provide increased levels of support; secondly, that the private sector will come to the aid of the universities and provide more in the way of recurring support . . . and it has to be recurring, because one-time-only money is not helpful . . . and the third option is student fees. There's no question that student fees are going to be reviewed.

I have a somewhat schizophrenic view of fees . . . two views that make some sense to me. One is to go to the British or Australian system, where there are no fees. Under this system there are very demanding standards for getting into university, but once admitted the students pay nothing and no one who has the capacity for a university education is denied the opportunity to go.

The other route is that of charging considerably higher fees to the student . . . considerably higher than we now charge. This is based on an economic argument which goes like this: The present relatively modest level of fees that students are required to pay serves as a subsidy to those of us who can afford to pay higher fees to send our children to university.

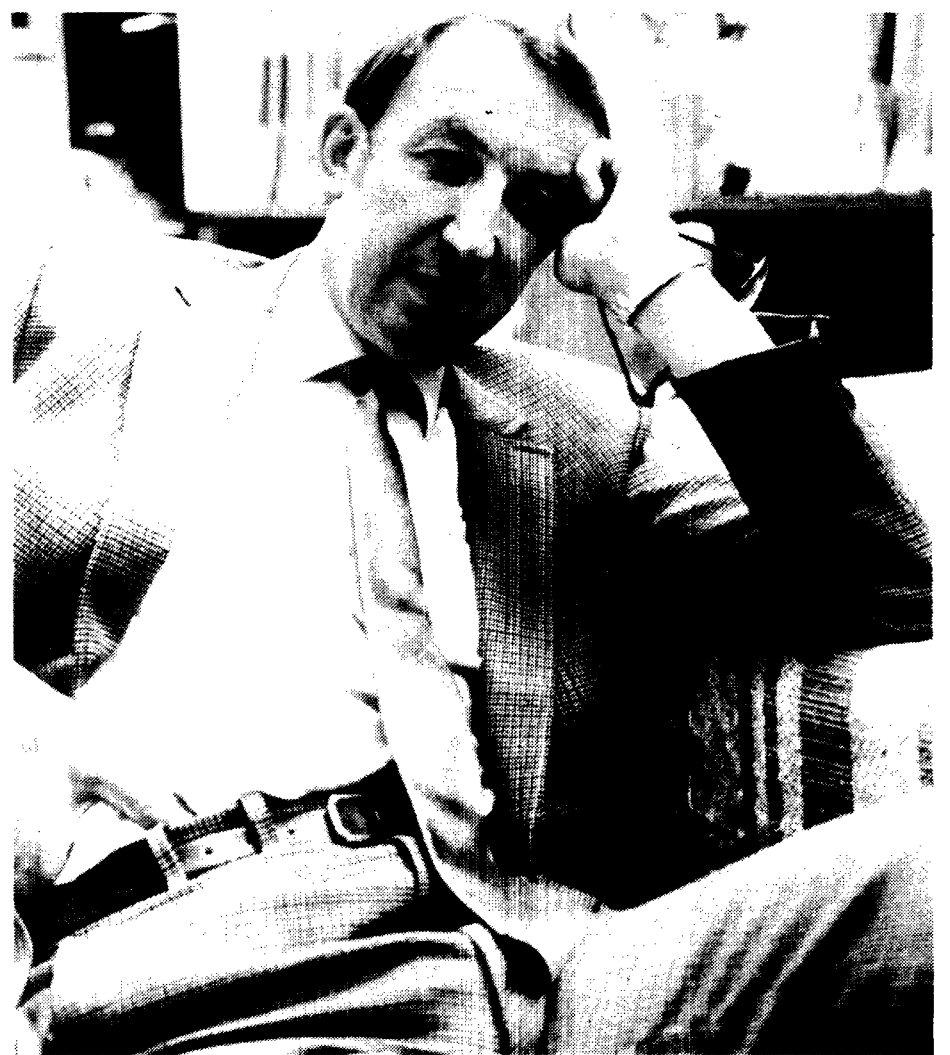
I am an example of an individual who can obviously pay higher fees to send my daughter to university in this province. In effect, what I get is a subsidy of the difference between whatever level we think would be the right one to set and the current levels.

That latter view, of course, terrorizes a lot of people. The corollary that has to be in place with that option is a very effective aid system to ensure that qualified students aren't denied admission on the grounds that they don't meet the financial requirements.

We have to recognize that over the years, universities have allowed the proportion of the operating budget that's carried by students to be reduced substantially and this has created the expectation among B.C. students that their tuition fees are going to be relatively lower than elsewhere. So it's difficult for them to accept the idea of substantial increases.

I'm of the view that this is something the three universities should sit down and discuss together and come to some agreement on what proportion of the

+ UBC last year enrolled 130 first-year students in the Faculty of Medicine. This year, an equal number will be admitted because the University has received no increase in funds to provide for further expansion of the medical school.



President George Pedersen

budget should be borne by student fees, ensure that we have an adequate financial aid program so that good students aren't prevented from enrolling and ensure that the three institutions have the same level of tuition fees.

The second aspect of this question is how the University maintains quality of education and, indeed, builds on it, at the same time as it's faced with restraint. There are two basic ways one can go.

The first is to say that we will make across-the-board cuts over some period of time and continue to support all areas equally on the earlier budget base. I have a problem with that. It's a neat solution simply to say that everyone has to take a two- or five-per-cent cut, or whatever the required level of cutback. But in the long-run, UBC will not be well served by that approach.

So one has to have time to go through the exercise of knowing where we have strong academic units that continue to get supported and where we have units that perhaps need improvement . . . where it would be possible to reduce the complement of people in those units without harming them in an academic sense.

I think it's important for people to recognize that the restraint problem is not here just for 1983-84. It's likely to be with us for three to five years. As I understand it, the provincial Treasury Board is not expecting an improvement for at least that period and any improvement in that period is largely dependent on the government's ability to get its bill for health services under control . . .

It's my understanding, too, that the major forest companies in B.C. will not be paying any corporate income tax for the next three years because they have tax losses they can write off over that time. So there's no doubt the government has some difficult choices to make in terms of getting its own budget in order.

As far as UBC is concerned, we have to start to do the longer-term planning that's necessary to deal with a period of restraint that is longer than just the short run. So in answer to the question, we may not be bigger, indeed we may be smaller. But the question is, can you reduce size and at the same time maintain the existing quality

of the institution and even build on it? That's a very difficult assignment.

UBC REPORTS: Are enrolment limitations in programs that don't now have them a possibility in the future?

PRESIDENT PEDERSEN: I don't think there's any question that we are going to have to take a hard look at the number of students this University can accommodate. Overall this year the number of students eligible to register is up 8.4 per cent to more than 29,200 and the numbers eligible to register in first-year programs is up by nearly 25 per cent.

I don't think the universities can continue to admit more and more students without increases in operating grants. That doesn't seem to bother the government too much . . . the minister of universities is on record as saying that too many students are going to university in this province.

I don't agree with that given the percentage of students in British Columbia who take advantage of higher education relative to other Canadian provinces. And I think that policy has the potential to be difficult for the government in the long haul, especially when it becomes increasingly evident to more and more people that they can't get their sons and daughters into university.

Limiting enrolment is clearly a difficult step for the universities to take, but I don't think we have much choice. If we don't take that position we would have to acknowledge that we have sufficient funds to continue to grow without the additional support that's implied as the result of enrolment increases.

UBC REPORTS: Do you have some general philosophy of higher education that underlies your activities as an academic and president?

PRESIDENT PEDERSEN: As I reflect on the things that have influenced me over the years, there are a couple that come to mind. One is something that I didn't realize until fairly recently, but probably should have much earlier. It really has to do with my parents, who came to this country as immigrants and started out in a very modest way. They did two things — they worked very hard and felt that when you did something you did it as well as you possibly could.

UBC in years ahead

I guess those are fundamental premises I've operated on for a long time without thinking it through very clearly. It's important to recognize in any university that the success of the institution will largely depend on its various groups of employees being willing to do both of those things. I think it's essential that every faculty member, every support-staff member and everyone else associated with the University recognize that it's still fashionable and appropriate to work hard and to do things extremely well. Those things have stood me in tremendously good stead.

Related to that was the experience I had at the University of Chicago. I had the privilege of attending three good universities - this one, the University of Washington and Chicago, but I have to say that the latter had the greatest impact on me in terms of the need to excel academically. After two hours at Chicago I wasn't sure I was in the right place in the sense of knowing whether I could handle the program academically.

I had exactly the same experience when I was hired back by Chicago as a faculty member. I had the feeling that it was a place that was more demanding than I was capable of handling. However, I survived both as a graduate student and a faculty member reasonably well and came away with the view that academic excellence, while a trite term, is really very meaningful to me.

Chicago set out to do high-quality research and high-quality graduate education, which are closely inter-related, and they have managed to retain that over the years. As a result, Chicago has had a marvellous and quite overwhelming impact on people who have gone into higher education. The fact that some 59 of their faculty members have received the Nobel Prize over 25-30 years reflects the quality of the institution.

Now I don't want to give the impression that I think we can turn UBC into the University of Chicago. We couldn't and shouldn't. But I think that as an institution we have to be constantly alert to two things - we have to be alert to our strengths and ensure that those are well supported and secondly, where we have inadequacies, we have to search for ways to improve them. Any institution that's outstanding academically is constantly alert to ways in which it can improve.

I'm not sure we in Canada have always understood that as well as we should. There's an attitude which says, "Well, we do quite well." But unfortunately, we don't have in this country a university that can be described as truly international. We don't have the equivalent of an Oxford, Cambridge, Harvard, Stanford, Chicago type of institution anywhere.

I'm sure the University of Toronto wouldn't agree with that and I know it has units within it that are outstanding . . . so does this university. But I think it's better to be realistic about your situation and see if you can't become better. If I have a wish of any kind during my five years as president of UBC, it would be that when I've finished that term people would be able to say that UBC is a better place academically than it was when I came into the job.

UBC REPORTS: You're planning to continue at UBC something you initiated at Simon Fraser University . . . the so-called "Pedersen Exchange," which enables any member of the University community to meet with you to discuss matters of concern. Can you explain what lies behind this?

PRESIDENT PEDERSEN: Well, as I saw it, it was an opportunity for me to get to know people in the University community and at the same time provide one avenue for expressing concerns, whether they are positive or negative, to at least ensure that the president of the place knew a little about those concerns.

It's only an hour and a half once a week and it won't be possible to hold it every week. So it needs to be announced in advance when it will and will not be available. I hope *UBC Reports* will keep people informed about it. (See story on page one of this issue and items under

Sept. 12 and 19 of "UBC Calendar" on page eight).

From my perspective, the exchange was very successful at SFU. I learned a lot about the university as an organization and about the people who worked there. Those who came represented all the constituencies within the University . . . I even had a Board member come on one occasion because he had not been able to arrange a meeting with me and the exchange seemed the easiest way of handling it.

The bulk of those who took advantage of the exchange were students who had some difficulty with the organizational bureaucracy of the University. I don't mean to imply anything negative by that . . . it just happens that in any organization as large as the University some people get caught . . . simply because no one sees themselves as having the responsibility for ensuring that certain kinds of things happen.

I thought it was very useful. I found that some units on campus did things extremely well and people would come and tell me that. If I had to define the exchange on a positive-negative basis, I would say the ratio was 30 per cent positive, 70 per cent negative.

But it should be made clear that the Pedersen Exchange is open to any member of the on-campus University community who has a concern that he or she wishes to discuss with me.

UBC REPORTS: The University Senate is going to meet in the Law Building this year instead of the Board and Senate Room of the Old Administration Building. Why have you decided to meet in another venue?

PRESIDENT PEDERSEN: Well, it seemed to me, on looking at the Senate chamber, that it was not an ideal place for a body of that size to meet. I had some concerns about the comfort and safety of the members of Senate and their capacity to do their job effectively. Senators always have a considerable amount of documentation to deal with and in the Law Building they'll have desks to place this material on and will be somewhat more comfortable, in my view.

UBC REPORTS: You set yourself a rather punishing physical pace as president. You're usually at your desk about 7 a.m., are you not?

PRESIDENT PEDERSEN: Yes, I'm inclined to come to work early because I'm one of those people who, fortunately or unfortunately, doesn't need a lot of sleep . . . five hours is usually sufficient for me. I start about seven and my wife and I usually have a fairly demanding social schedule on behalf of the University, which means there is usually something on in the evening as well, often seven nights a week.

I guess it's a question of how you make gains . . . I regard myself as reasonably open, which means that most people who want to see me have the opportunity to do so. Mail and other office duties I do in the early morning, on weekends, whenever I can, so I have as much opportunity as possible to interact, not only within the organization, but outside as well.

I've always operated this way, even when I was an elementary school principal. I'll probably be inclined, however, to take vacations more frequently than in the past . . . I think you can only go so long at that kind of pace and then you do have to take a break.

UBC REPORTS: Do you have some message for the University community as we enter what is undoubtedly going to be a difficult year?

PRESIDENT PEDERSEN: Well, it's my hope that all members of the University community will have a rewarding year despite the fact that we have some financial problems. It's very easy to become overly concerned with the single issue of our financial difficulties and I'd like people to remain optimistic in spite of these problems. It's not the end of the world . . . the University will survive this year's difficulties as it has survived the difficulties of the past.

Installation ceremony prelude to National Universities Week

B.C.'s three public universities will join together Sept. 26 to install the new presidents of UBC and Simon Fraser

Marine station offers courses

The Bamfield Marine Station, a major teaching and research centre for marine biology located on the west coast of Vancouver Island, is offering two programs for the public in September.

The centre is operated by the three public universities in B.C. and the Universities of Alberta and Calgary.

Dr. Jim Haggarty of the B.C. Provincial Museum will lead a field course on the Human History and Natural History of the Broken Group Islands from Sept. 15 to 19. The course will focus on the lifestyle and history of native people who occupied the Broken Group Island region, and will include explorations of habitation sites and a hands-on approach to the marine biology, plant life and birds and mammals in the area. Fee for the program is \$235.

Prof. Bob Bandoni of UBC's botany department will conduct a workshop on west coast mushrooms Sept. 30 to Oct. 2. The program mixes field and laboratory experiences to instruct participants in the identification and understanding of west coast mushrooms.

For more information about the programs, contact Jacquie Lee at the Bamfield Marine Station, 728-3301.

Text sales switched to new Bookstore

Gone are the days of mass textbook sales in the UBC Armoury. The Bookstore has moved to its new quarters at 6200 University Boulevard, and all textbooks will be sold at the new location.

The Bookstore will be open regular hours, 8:30 a.m. to 5 p.m. weekdays during registration week (Sept. 6 to 9) and will be open from 8:30 a.m. to 8:30 p.m. Monday, Sept. 12 to Thursday, Sept. 15, and from 8:30 a.m. to 5 p.m. on Friday, Sept. 16.

B.C. only province in Canada to get no increase in grant

British Columbia is low man on the totem pole this year in terms of percentage increases in global grants from provincial governments for the support of universities.

A table (see below) compiled by the Association of Universities and Colleges of Canada shows that percentage increases in global grants to universities ranged from a high of 10.3 in Manitoba down to zero in B.C.

B.C.'s three public universities share a total of \$301 million - exactly what they had last year after a \$12 million rollback in the middle of the academic year. UBC's share of the grant for general operating purposes is \$172,370,508, plus \$8,342,405 for medical school expansion.

University at a public ceremony in the Queen Elizabeth Theatre in downtown Vancouver.

Presiding over the 8 p.m. ceremony for the installation of Dr. William Saywell as the fifth president of SFU and Dr. K. George Pedersen as the eighth president of UBC will be Dr. Howard Petch, the president of the University of Victoria.

The chancellors of SFU and UBC will present the presidents of their respective institutions to B.C. Lieutenant-Governor Hon. Robert G. Rogers, who will install them in office.

Speakers at the ceremony include Mr. Rogers and representatives of the provincial government, the Association of Universities and Colleges of Canada, the B.C. Confederation of Faculty Associations and students from UBC, SFU and UVic. Both presidents will give inaugural addresses.

A reception will follow in the lobby of the Queen Elizabeth Theatre.

Individuals invited to the ceremony have been asked to indicate on or before Friday (Sept. 9) whether they plan to attend the ceremony. Members of the University community who have not received invitations and wish to attend should call the UBC Ceremonies Office (228-2484) after Sept. 9 to inquire about the availability of tickets.

The installation ceremony will be a prelude to National Universities Week Oct. 2 to 8 when universities across Canada will stage events and activities designed to demonstrate the essential role of higher education in cultural, social and industrial development and to focus attention on university teaching, research and public service.

Highlights of the UBC celebrations will include a festival of the arts featuring music, dance, film and an art exhibit, lectures by leading UBC researchers, sports events such as the Arts 20 relay and displays on and off campus.

A complete and detailed listing of National Universities Week events will appear in the Sept. 21 issue of *UBC Reports*.

The zero increase in operating grants for B.C. universities means that the provincial government has not passed on an 8 per cent increase in federal funding for post-secondary education announced in March.

At that time the presidents of the three public universities issued a joint news release expressing concern that increases in federal funding might not be passed on to the universities by the provincial government.

Transfer payments by the federal government pay for about 75 per cent of the costs of higher education in B.C. However, the provincial government is not required by law to pass on the full federal contribution.

	Global Grant Millions of dollars	Percentage increase
Newfoundland	65.0	2.5
Nova Scotia	144.9	6.0
Prince Edward Island	101.0	7.8
Quebec	861.0	1.5
Ontario	1,100.0	7.5
Manitoba	146.3	10.3
Saskatchewan	126.2	7.0
Alberta	349.9	8.7
British Columbia	301.0	0.0

Significant changes mark student aid plan

Significant changes have been made to the British Columbia Student Assistance Program (BCSAP), which provides loans and grants to almost one-third of UBC's students.

Awards Office director Byron Hender said that the tightening up of eligibility requirements and the introduction of academic criteria for grant recipients will mean that some students will receive smaller awards than in previous years.

"The number of students receiving assistance will be about the same as last year, but the situation has changed radically," he said. "The government has increased the maximum loan portion of the program to \$3,200, up considerably from last year's maximum of \$1,800. This means that many students will receive much larger awards than they have in the past, but the new criteria for eligibility are very stringent."

Under the BCSAP, full time single students are eligible for a maximum of \$5,200 in an academic year — \$3,200 as a federal loan and \$2,000 as a non-repayable provincial grant. The upper limit for students with dependents is \$5,600, the provincial grant being \$2,400. The average award in 1983/84 is expected to be about \$3,650, up 12 per cent from last year.

Changes in eligibility requirements for loans and grants are outlined below:

- The parental income of many students who were previously considered independent will now be a factor in assessing awards. Students with families who are in a position to help financially will receive smaller awards.
- The general needs assessment criteria have been tightened significantly. Living allowances have been frozen at 1982/83 levels.
- Changes have been made in the treatment of assets. Students who own cars will be assessed more strictly this year than they have been in the past.
- An academic standard has been

imposed on students applying for the grant component of the BCSAP package. In addition, students must be enrolled in at least 12 units in 1983/84 to be eligible for the grant (students still qualify for the federal loan if they are taking 9 or more units).

"We are still negotiating with the government to try and interpret exactly what the academic criteria are and how they affect our students," said Mr. Hender. "As it stands now, students who were in attendance in a full program last winter session will have to have passed at least nine units and have attained an average of 60 per cent on their best nine units."

"Because the government didn't release their policy on student aid until mid-July, the Awards Office had to assess applications and send out grant confirmations without knowledge of what the academic requirements would be. It is essential that students turn in their grant confirmations to the Registrar's Office regardless of whether or not they think they meet the requirements. This is critical for two reasons — first, because the academic standards haven't yet been firmly set, and secondly because students who don't qualify for the grant may be eligible for additional loan money."

Mr. Hender added that the delay in release of information from the government has resulted in a backlog in processing applications. "Most of the 3,800 applications we received by the July 4 'early' deadline were processed by the end of August. Students who met the deadline should have their documents from Victoria by early October."

"The University will do everything possible to assist students who applied by the early deadline with emergency funding and fee deferrals, but students who applied after July 4 will have to make their own arrangements," he said. "Students who want information on their awards are encouraged to call into the office before 10 a.m. and after 3 p.m. Things get pretty hectic here between 10 and 3."

Students who have not received their award documents by Oct. 15, and students who have previously had loans but are not receiving assistance in 1983/84 must file a Schedule 2 form (available at the Awards Office and the Registrar's Office) with their bank as proof that they are still attending university. If the Schedule 2 form isn't filed, the bank will assume that previous loans are due.

According to Mr. Hender, delays in processing BCSAP awards have also meant a slow-down in assessing private awards. "We're behind schedule because we rely on information from the BCSAP needs assessment system and the government scholarship exams to assess private awards. But we hope to get things cleared up by the end of the first term."

Mr. Hender said the government has indicated that they will fund the Work Study Program (an extension of the BCSAP) at a level slightly below that of 1982/83. Last year, about 400 students earned approximately \$400,000 under the Work Study Program, performing jobs of a research and clerical nature in various UBC departments and administrative units.

"The President's Office has committed funding to the program as well, and we're hoping that some funds can be found within the Awards Office budget for work study," he added. "We expect the program will provide jobs for about 350 to 400 students this year."

Students who have been authorized to participate in the Work Study Program should be able to arrange placements through the Canada Employment Centre in Brock Hall around the beginning of classes. More information about the program is available at the Awards Office, Room 50, General Services Administration Building (228-5111).



Giving the once-over to a possible sale item for their annual plant sale for students are two members of the Friends of the Botanical Garden, Dorothy Burling, left, and Audrey May, centre, and Botanical Garden staffer Bodil Leamy. To get to the plant sale, which takes place on Sept. 13, 14 and 15 from noon to 5 p.m., go to the Botanical Garden Office and Educational Centre, which has moved to the former Home Management House directly west of the Museum of Anthropology (6501 Northwest Marine Drive). Just follow the signs from the garden office entrance.

UBC's Senate will meet in different quarters this year

UBC's 87-member Senate will deliberate in different quarters when it holds its first meeting of the 1983-84 academic year on Sept. 14.

UBC's academic parliament, which has met in the Old Administration Building on the corner of the Main Mall and Memorial Road since 1925, is moving to the George F. Curtis Building, the home of the Faculty of Law on the East Mall.

Senate will meet in Room 102 of the Curtis Building, which is capable of seating 120 persons.

UBC's new president, Dr. George Pedersen, who also chairs Senate, suggested the new venue. Senate meets eight times during the academic year in the period September through May.

"It seemed to me," President Pedersen said, "that the Senate chamber in the Old Administration Building was not an ideal place for a body of that size to meet. I had some concerns about the comfort and safety of Senators and their capacity to do their job effectively."

The Board and Senate Room of the Old Administration Building is equipped with wooden armchairs, but there are no desks on which senators can place material which serves as the basis for discussion.

Room 102 of the Curtis Building is equipped with bench-type desks on which senators can arrange the sometimes considerable amount of documentation provided in advance of meetings by UBC's registrar, Kenneth Young, the secretary of Senate.

Under the University Act, the academic governance of the University is vested in Senate. Through an extensive committee system it sets admission standards, recommends to the Board of Governors the establishment or discontinuance of faculties, departments, academic courses and programs and approves the award of academic and honorary degrees. The Senate Budget Committee assists President Pedersen in the preparation of the University budget.

Senate does most of its business in public and there is provision for a visitors' gallery of 30 persons. Non-senators interested in attending a meeting must make application for a gallery ticket at least 24 hours in advance by calling Senate clerk Frances Medley at 228-2951. Tickets are issued on

a first-come, first-served basis. Senate meetings begin at 8 p.m.

UBC's 15-member Board of Governors which is charged with the management of the revenue, business and affairs of the University under the University Act, will continue to meet nine times a year in the Board and Senate Room of the Old Administration Building. The Board does not meet in the months of January, August and September.

The Board does some of its business in public and makes provision for a 15-person visitors' gallery. Tickets are issued on a first-come, first-served basis by Board secretary Nina Robinson, 228-2127. Ticket reservations should be made at least 24 hours in advance of meetings, which take place on the first Thursday of each month in which the Board meets. The Board's open session begins at 2 p.m.

ENROLMENT Continued from Page 1

enrolled in pre-forestry programs in the Faculty of Science took extra summer courses to qualify them for entry into the second year of the four-year program.

Forestry dean Dr. Robert Kennedy said the overall effect of the introduction of the new program would be that enrolment in forestry would be up by 100 students over last year to a total of 452.

The Faculty of Applied Science has postponed introduction of its new four-year program leading to degrees in engineering. The decision is the result of the late approval of the new program by UBC governing bodies and the Universities Council and funding difficulties.

UBC's dean of Education, Dr. Daniel Birch, says he would not be surprised if there was an enrolment decline in his faculty in the light of the provincial government's declared policy of reducing teacher strength in B.C.

He regards the government policy as shortsighted because studies of teacher supply carried out by B.C. Research indicate that there will be a substantial increase in the school population within five years.

Registrations in other UBC faculties are expected to be about the same as last year because of long-standing enrolment limitations.

Presidents to address Institute

The presidents of Simon Fraser University and the University of B.C. will be among the 11 speakers who will address the Vancouver Institute, which begins its 67th fall season of free Saturday night public lectures on Sept. 17.

Dr. William Saywell, who takes up his duties as president of SFU on Sept. 1, will speak at the Institute on Sept. 24 on the topic "China's Race Against Time: Modernization and Education."

UBC president Dr. George Pedersen speaks on Oct. 8 to wind up National Universities Week on the UBC campus. His topic will be "Education Under Siege: Academic Freedom and the Cult of Efficiency."

Other topics to be discussed during the series are technology and society, Acquired Immune Deficiency Syndrome (AIDS) and the impending crisis in forestry.

All Vancouver Institute lectures take place in Lecture Hall 2 of the Woodward Instructional Resources Centre on the UBC campus, beginning at 8:15 p.m.

The Honorable Mr. Justice Brian Dickson of the Supreme Court of Canada will open the series on Sept. 17 with a lecture on "The Forgotten Party: The Victim of Crime." The series continues until Nov. 26 with Prof. S.J. Rachman of UBC's psychology department giving the final lecture on "Fear and Courage."

A brochure listing all Institute lectures is available by calling 228-3131.

GRANT DEADLINES

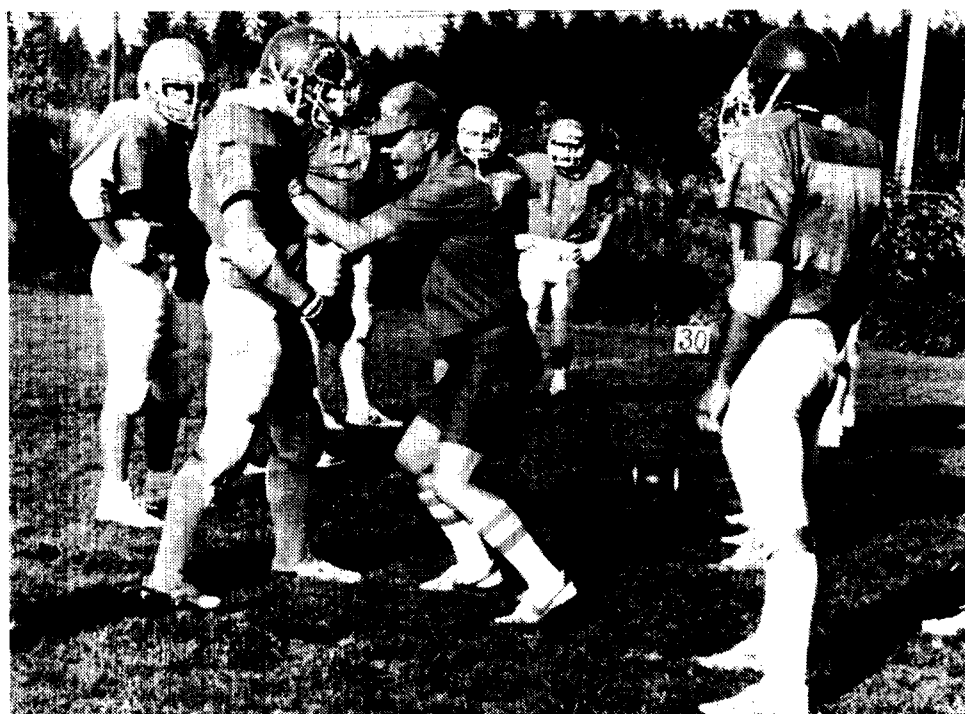
Faculty members wishing more information about the following research grants should consult the Research Services Grant Deadlines circular which is available in departmental and faculty offices. If further information is required, call 228-3652 (external grants) or 228-5583 (internal grants).

October (application deadlines in brackets)

- Agriculture Canada
 - Extramural Research Grant (15)
- Alberta Forest Service
 - Forest Development Research Fund Grant (15)
- Alberta Heritage Fdn. for Medical Research
 - Medical Research Fellowships (1)
- American Lung Association
 - Training Fellowships (1)
 - Trudeau Scholar Awards (1)
- Arthritis Society
 - Associateships & Assistantships (15)
 - Fellowships (15)
 - Research (15)
- Association for Canadian Studies
 - Intercultural/Interregional Enrichment (15)
- AUCC: International Relations
 - Canadian Studies Visiting Prof in Japan (1)
 - International Scholarships Post Doctoral (31)
- B.C. Health Care Research Fdn.
 - Development & Training Fellowship (1)
 - Research (1)
 - Research Scholar Award (1)
- B.C. Heart Foundation
 - Clinical Fellowship in Cardiovascular Disease (1)
- B.C. Medical Services Foundation (BCMSF)
 - Research (3)
- Canada Council: Killam Program
 - I.W. Killam Memorial Prize (15)
 - Killam Research Fellowship (15)
- Canada Council: Writing/Public.
 - Translation Grant (15)
- Canada Mortgage & Housing Corp.
 - Research Grants Type A (to \$3500) (29)
- Canadian Commonwealth Schol./Fell. Committee
 - Research Fellowships (31)
 - Visiting Fellowships (31)
- Canadian Cystic Fibrosis Fdn.
 - Fellowships for Training and Research (1)
 - Research (1)
 - Scholarship (1)
- Educational Research Inst. of BC (ERIBC)
 - ERIBC Research Grant (1)

- Fitness and Amateur Sport
 - Fitness Canada Grants (14)
- General Motors Cancer Res. Fdn.
 - Research Prize (2)
- Guggenheim Memorial Foundation
 - Guggenheim Fellowships (1)
- Hannah Institute
 - Publications Assistance (1)
- IMASCO-CDC Research Foundation
 - Research (1)
- Industry Trade and Commerce
 - Technological Innovation Studies (31)
- International Union Against Cancer
 - Eleanor Roosevelt Cancer Fellowships (1)
 - International Fellowships (1)
- International Development Research Centre
 - Education Research Awards Program (30)
- Japan World Exposn. Commemor. Fund
 - International Projects (31)
- Juvenile Diabetes Fdn. (US)
 - Career Development Award (1)
 - Postdoctoral Fellowships (1)
- Kidney Foundation of Canada
 - Research (15)
- March of Dimes Birth Defects Fdn. (US)
 - Research (1)
- MRC: Grants Program
 - Program Grants (1)
 - Travel (1)
- MRC: Special Programs
 - INSRM/MRC Exchange (1)
 - Research for Dyskinesia & Torticollis (1)
 - Symposia & Workshops (1)
- Multiple Sclerosis Soc. Canada
 - Career Development Grants (1)
 - Postdoctoral Fellowships (1)
 - Research (1)
 - Research Studentships (1)
- National Defence Canada
 - Military and Strategic Studies Program (10)
- National Inst. of Education (US)
 - NIE Research Grants (6)
- National Kidney Foundation (US)
 - Research Fellowships (1)
- National Research Council of Canada
 - The Steacie Prize (4)
- NSERC: Fellowships Division
 - University Research Fellowship (1)
- NSERC: Intl. Relations Division
 - Exchange: Brazil, Czech, Japan, Bulgaria, Germany, U.K., Suisse (15)
 - International Collaborative Research (15)
 - International Scientific Exchange Awards (15)
- NSERC: Major Installation
 - Major Installation (1)
- Osgoode Society
 - Fellowship in Canadian Legal History (1)
- Peterhouse Cambridge
 - Research Fellowships (25)
- Secretary of State
 - Canadian Ethnic Studies Program: Professorships (31)
 - Canadian Ethnic Studies: Research (31)
- SSHRC: Fellowships Division
 - Jules & Gabrielle Leger Fellowship (1)
 - Leave Fellowship (1)
 - Postdoctoral Fellowship (1)
- SSHRC: Intl. Relations Division
 - Aid to International Secretaries (1)
 - Bilateral Exchange: China (1)
 - Bilateral Schol. Exchange: Japan & Hungary (1)
 - Bilateral Scholarly Exchange: France (1)
 - Grants to Canadian Scholars to Lecture Abroad (1)
 - International Collaborative Research (1)
 - Visiting Foreign Scholars (1)
- SSHRC: Research Commun. Div.
 - Aid to Occasional Conferences (30)
- SSHRC: Research Grants Division
 - Research (15)
- St. John's College
 - Commonwealth Fellowship (1)
- University of British Columbia
 - UBC-SSHRC Travel Grant (10)
- University of Tasmania
 - University Research Award (31)
- Woodward's Fdn. (Mr. & Mrs. P.A.)
 - Foundation Grants (1)
- World Wildlife Fund (Canada)
 - Arctic Grants (31)
 - General Research (1)

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



UBC Thunderbird football hopefuls get the word straight from the coach's mouth. Frank Smith is shown readying his charges for their home opener against the University of Calgary on Sept. 16.

Loss of key football players means 'interesting' season

"It could be an interesting football season." That's the comment many observers are making when discussing the prospects of the Canadian university football champion UBC Thunderbirds in the 1983 season. And rightly so. This season the 'Birds will be defending their Vanier Cup championship, but they'll be without several key veterans who helped make last season successful.

Last February saw 10 T-Birds drafted by the Canadian Football League. Key losses include all-Canadian offensive linemen Pieter VandenBos and Jerry Dobrovolny (now with Edmonton and Calgary, respectively), linebacker Mike Emery (Saskatchewan), defensive back Dave Singh (Saskatchewan) and end Jason Riley (Winnipeg). Bernie Glier (B.C.), linebacker Steve Harrison (Ottawa), running back Pat Cantner (Winnipeg) and George Piva (Hamilton) round out the list of 1982 T-Birds currently in the C.F.L. Veteran cornerback Mark Beecroft has also graduated and will be missed in the secondary.

Coach Frank Smith had this to say on the departure of so many starters from UBC. "The players we've lost were all great athletes who we'll really miss. I enjoyed coaching all of them as they were exceptional individuals. It'll be extremely hard for any future Thunderbird football team to surpass the achievements of that 1982 team."

The 1983 edition of Smith's 'Birds features six returning starters on both offense and defence but the newcomers coming in this season will add depth to the lineup. On offense, all-Canadian junior tailback Glenn Steele (232 carries, 1,603 yards, 16 touchdowns) returns for another season as does senior fullback Peter LeClaire, third-year starting quarterback Jay Gard and tight end Rob Ros.

The offensive line, however, has to be suspect as only returnees Peter Jeffrey and Don Adamic are back from the best front line in Canada. All other positions are wide open as newcomers battle for spots.

Last year's stingy defence has also been decimated by the draft and graduations. Another big question mark for the team will be the defensive secondary, where three key starters are gone from 1982's unyielding backfield.

In sum, the Thunderbirds appear to have a lot of depth this season, much more than last year. The team is replete with talented ball players, but their lack of experience in working within a new system and with new teammates means that there will be plenty of exciting games in the Western Intercollegiate Football League.

Their 1983 schedule of 10 games began on Labor Day Weekend in Helena, Montana where they defeated Carroll College Fighting Saints 34-21 in a non-conference game. On Sept. 10 they open the WIFL slate of eight games with a road match against the University of Manitoba Bisons. First home game for the team will be Friday, Sept. 16 at 7:30 p.m. when they host the University of Calgary Dinosaurs in Thunderbird Stadium.

A new bowl game has been added to the list of trophies that will be competed for annually by UBC and Simon Fraser University.

UBC's Thunderbird soccer team will meet their SFU counterparts on Sunday (Sept. 11) at 7:30 p.m. in Thunderbird Stadium to compete for the Diachem Bowl donated by Konrad Tittler, Sr., president of Diachem Industries and the father of a Thunderbird soccer alumnus.

Organizers of the match hope that the annual event will attract as much interest as the annual Shrum Bowl football competition between UBC and SFU.

The game is the first of two matches this month. Following the Diachem Bowl, the Clansmen will meet the 'Birds in a Wednesday, Sept. 14, return match called the Challenge Cup, to be held in Swagard Stadium at 7 p.m.

UBC coach Joe Johnson has been tutoring his squad at Thunderbird Park in preparation for the season opening match. "We've been practising for more than two weeks now and I've got the team down to a reasonable number. Players who haven't heard about the tryouts can call me at 228-2531 if they're interested in a place on UBC's Canada West squad."

All UBC students with valid AMS Cards will be admitted free to the Sept. 11 game. For more information, call the Athletic Office at 228-3917.

Andre Bleim, and Rob Moretto, a pair of first-year football players from Notre Dame high school, have been named as the 1983 winners of Frank Gnupe scholarships.

In making the announcement, Gnupe scholarship committee chairman Tom Thomas described the winners as "the two outstanding candidates in the applications" and termed Bleim's straight-A average in high school "an outstanding level of athletic scholarship."

Bleim is a 5'8" 180-pound running back who last year led Notre Dame Jugglers to the B.C. high school football championship. A great talent, he was selected the outstanding offensive player at the 1983 B.C. Lions' high school development camp.

UBC grad gets medal

Vancouver native Betty Keller has been named the winner of the University of British Columbia's Canadian Biography Award for 1982. The award, given annually since 1952, is for Ms. Keller's book *Pauline: A Biography of Pauline Johnson*, published by Douglas and McIntyre Ltd.

The UBC award, a silver medal designed by noted Indian artist Bill Reid, is given for the best book by or about a Canadian published in the previous year.

Canadian Literature, a UBC-based literary magazine, said in announcing the award that Ms. Keller had succeeded in looking behind the persona that Pauline Johnson showed her public, to reveal her "deliberateness and motivations, her personality as it really was."

"The handicap Keller faced was the fact that Pauline Johnson's sister carefully destroyed her papers, with what intent it is not sure . . . Keller's accomplishment, in the face of such an obstacle, is to have amassed an extraordinary amount of data from other sources, and to have presented it in a most attractive, readable form."

Ms. Keller was educated at UBC and has taught drama and drama writing at both the high school and university level in B.C.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of Sept. 25 and Oct. 2, material must be submitted not later than 4 p.m. on Thursday, Sept. 15. Send notices to Information Services, 6328 Memorial Road (Old Administration Building). For further information, call 228-3131.

Calendar Forms

New calendar forms have been printed and are available by calling 228-3131 or dropping by Information Services, Room 207, Old Administration Building.

The Vancouver Institute.



Saturday, Sept. 17

The Forgotten Party:
The Victim of Crime.
The Honorable Mr.
Justice Brian Dickson,
Supreme Court of
Canada, Ottawa.

Saturday, Sept. 24

China's Race Against
Time: Modernization
and Education.
President William
Saywell, Simon Fraser
University.

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

FRIDAY, SEPT. 9

Medical Genetics Seminar.

Drug Exposure As Possible Teratogens, K. Chan; Incidence of Hypospadias in B.C., **T. Leung;** Investigation of Lipoprotein Metabolism in Down Syndrome, **H. Lui;** and Incidence of Twins in Huntington's Chorea, **J. Soles.** Parentcraft Room, Grace Hospital. 1 p.m.

SATURDAY, SEPT. 10

Maranatha Christian Club.

The Maranatha Christian Club, in co-operation with other Christian groups on campus, is sponsoring a welcome reception for first-year students and international students. UBC President George Pedersen, AMS President Mitch Hetman, Chancellor J.V. Clyne and faculty deans will be introduced. Graduate Student Centre. 1:30 to 4:30 p.m.

SUNDAY, SEPT. 11

Sanka Fun Run.

Sanka is sponsoring an 8km run to support Canadian Olympic teams. The race starts at 10 a.m. at UBC's Thunderbird Stadium. Pre-registration is from 8:30 to 9:45 a.m. on race day in the concourse of the stadium. For more information, contact Ken Black at 228-2503.

Soccer.

UBC meets SFU to compete for the Diachem Bowl, donated by Konrad Tittler Sr., president of Diachem Industries. Thunderbird Stadium. 7:30 p.m.

MONDAY, SEPT. 12

Biochemical Discussion Group Seminar.

E. coli RNA Polymerase: Mechanism of Promoter Selection. Dr. Carol Cech, Chemistry, University of Colorado. Room 4210, Block A, Medical Sciences Building. 12:30 p.m.

The Pedersen Exchange.

An opportunity for any member of the on-campus University community to meet with UBC's president, Dr. 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, which is immediately to the left of the main entrance to the Main Library building. The president will be available every Monday when he is on campus from 3:30 to 5 p.m.

Biochemical Discussion Group Seminar.

Self Splicing RNA: An RNA Mediated Enzyme Like Activity. Dr. Tom Cech, Chemistry, University of Colorado. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

WEDNESDAY, SEPT. 14

Volunteer Fair.

Volunteer opportunities can be explored with representatives from more than 30 community agencies and institutions. Sponsored by Volunteer Connections at the Student Counselling and Resources Centre and the Vancouver Volunteer Centre. Continues on Thursday, Sept. 15. Lobby, Student Union Building. 11:30 a.m. to 2:30 p.m. both days.

Noon-Hour Concert.

Valerie Tyron, piano. Recital Hall, Music Building. 12:30 p.m.

Faculty Club.

Pre-Senate dinner buffet. Cost is \$9, reservations required. Main Dining Room. 5:30 to 7:30 p.m.

Soccer.

UBC meets SFU to compete for the Challenge Cup. Swangard Stadium. 7 p.m.

Folk Dance Club.

Folk dances and steps from many countries taught at beginning and intermediate level. Open to students, faculty, staff and community. Yearly fee is \$10 (students \$5). No partner necessary. For further information, call Marcia Snider at 738-1246. Upper Lounge, International House. 7:30 p.m.

THURSDAY, SEPT. 15

Psychiatry Lecture.

Factors That Determine Medical Students' Interest in Psychiatry: A Three Year University Multinational Study. Prof. P. Ney, Christchurch Clinical School, New Zealand. Room 2NA/B, Psychiatric Unit, Health Sciences Centre Hospital. 9 a.m.

Lost and Found Sale.

There will be a sale of miscellaneous items that have been unclaimed from the UBC Lost and Found. All proceeds to University bursaries. Room 208, Brock Hall. 11 a.m. to 1 p.m.

English Lecture.

Dylan Thomas: A Reappraisal. Professor emeritus R. George Thomas, Medieval English, University College, Cardiff. Sponsored by the Committee on Lectures. Room A202, Buchanan Building. 12:30 p.m.

Faculty Association Meeting.

A special meeting will be held to welcome President Pedersen. Lecture Hall 2, Woodward Instructional Resources Centre. 1 p.m.

Computer Science Colloquium.

Is Vision Possible? Dr. Alan K. Mackworth, Computer Science, UBC. Room 301, Computer Sciences Building. 4 p.m.

FRIDAY, SEPT. 16

Medical Genetics Seminar.

Neurogenetics. Dr. T. Bird, University of Washington, Seattle. Parentcraft Room, Grace Hospital. 1 p.m.

Football.

UBC vs. the University of Calgary. Thunderbird Stadium. 7:30 p.m.

MONDAY, SEPT. 19

Biology Lecture.

Structure Variation and Inheritance of Maize Ribosomal Genes. Elizabeth Ann Zimmer. Room 3219, Biological Sciences Building. 12:30 p.m.

Plant Science Seminar.

Alcohol and Alcohol Dehydrogenase in Plants. Dr. K.J.R. Edwards, head, Genetics, University of Cambridge. Room 160, MacMillan Building. 3:30 p.m.

Applied Mathematics Seminar.

Plate Theories and Saint Venant's Principle. Prof. F.Y.M. Wan, director, Institute of Applied Mathematics and Statistics. UBC. Room 229, Mathematics Building. 3:30 p.m.

The Pedersen Exchange.

The exchange is cancelled this week because of President Pedersen's absence from Vancouver. It provides an opportunity for any member of UBC's on-campus community to meet the president personally to discuss matters of concern. Normally it is held every Monday that the president is on campus from 3:30 to 5 p.m. in the Main Library.

Biochemical Discussion Group Seminar.

Bacterial Gene Regulation. Dr. Lasse Lindahl, Biology, University of Rochester. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

TUESDAY, SEPT. 20

Oceanography Seminar.

Atmospheric Tides as Indicators of Environmental Change. Dr. Kevin Hamilton, NSERC University Research Fellow. Oceanography, UBC. Room 1465, Biological Sciences Building. 3 p.m.

Chemistry Lecture.

The Third Age of Quantum Chemistry. Prof. Henry F. Schaefer III, Chemistry, University of California, Berkeley. Room 250, Chemistry Building. 4 p.m.

WEDNESDAY, SEPT. 21

Anatomy Seminar.

Hormone-Drug Interactions in Breast Cancer Therapy. Dr. J.T. Emerman, Anatomy, UBC. Room 37, Anatomy Building. 12:30 p.m.

Leon and Thea Koerner Lecture.

The Great God Pan. Prof. John Boardman, Lincoln Professor of Classical Archaeology, University of Oxford. Room 102, Lasserre Building. 12:30 p.m.

Noon-Hour Concert.

Philip Tillotson, harpsichord; Elissa Poole, baroque flute. Recital Hall, Music Building. 12:30 p.m.

Leon and Thea Koerner Lecture.

Greek Myth in Art. Prof. John Boardman, Lincoln Professor of Classical Archaeology, University of Oxford. Room 107, Lasserre Building. 3:30 p.m.

Frederic Wood Theatre.

Opening night of Samuel Beckett's *Waiting for Godot*. Continues until Monday, Oct. 3 (except Sundays), with the final night marking the opening of a UBC Festival of the Arts during National Universities Week Oct. 2 to 8. Tickets are \$6.50; \$4.50 for students and seniors. For ticket reservations, call 228-2678. Frederic Wood Theatre. 8 p.m.

THURSDAY, SEPT. 22

Psychiatry Lecture.

Opiate-Endocrine Regulation in Depression. Dr. A.P. Zis, Psychiatry, University of Michigan. Room 2NA/B, Psychiatric Unit, Health Sciences Centre Hospital. 9 a.m.

Biology Lecture.

Expression of *Agrobacterium tumefaciens* T-DNA in Crown Gall Tumors. Dr. Joan C. McPherson. Room 3219, Biological Sciences Building. 12:30 p.m.

Faculty Recital.

Music of Russell, Chatman and Reimer. Michael Borschel, clarinet; John Rudolph, percussion, and Kathleen Rudolph, flute. Recital Hall, Music Building. 12:30 p.m.

Librarianship Lecture.

Come Home, Storyteller: The Library and the Oral Tradition. Alice Kane, children's librarian and founder, Storyteller's School of Toronto. Room 835, Main Library. 4:30 p.m.

FRIDAY, SEPT. 23

Medical Genetics Seminar.

Clinical and Genetic Aspects of Movement Disorders. Drs. D. Calne and M.H. Hayden. Parentcraft Room, Grace Hospital. 1 p.m.

Information Systems Lecture.

The Role of Information in General Systems: Some Informed Opinions on Information Theory. Dr. L.M. Ward, Psychology, UBC. Salon A, Faculty Club. 4 p.m.

Football.

UBC vs. the University of Alberta. Thunderbird Stadium. 7:30 p.m.

SATURDAY, SEPT. 24

Women's Volleyball.

Grad Reunion. War Memorial Gymnasium. 6 p.m.

Notices . . .

Exhibit

The Woodward Biomedical Library is currently displaying reprints of Leonardo da Vinci's anatomical drawings. The exhibit is in the main foyer. For information, call 228-4447.

Japanese Tea Art Exhibit

An exhibit highlighting the traditional Japanese tea ceremony is on display at the Asian Centre until Sept. 18. The exhibit is open from 11 a.m. to 6 p.m. daily and is free of charge.

Daycare Available

Spaces are available in Unit I of UBC's daycare facility, 2727 Acadia Road, for children aged 17 months to 3 years. The daycare is open from 8 a.m. to 5 p.m. Monday through Friday and accepts children on a full- or part-time basis. For more information, call 228-3019 (days) or 261-8964 (evenings).

Library Tours

Guided tours of Main and Sedgewick Libraries will be offered weekdays Sept. 12 through 23 at 10:30 a.m. and 12:30 p.m. Tours meet in the Main Library entrance and last about 45 minutes.

Fine Arts Gallery

An exhibit of clay sculpture by Saskatchewan artist Victor Cicansky will be on display until Oct. 1 in the UBC Fine Arts Gallery. Gallery hours are 10 a.m. to 5 p.m. Tuesday through Saturday.

Language Programs

French, Spanish and Japanese daytime, evening and weekend programs begin the week of Sept. 19. For more information, call 228-5227.

Curling

Beginner and experienced curlers are invited to join a mixed curling league on Fridays at 7:15 p.m. at the Thunderbird Winter Sports Centre. For information, call John Lomax at 228-2612.

Internships Available

Study-related, non-paid work experience is available for third- and fourth-year students in the Faculty of Arts. For more information, contact the Office of Internship Programs, Room 213, Brock Hall (228-3022).

Volunteer Connections

For assistance in finding a volunteer job for career-related experience or personal satisfaction, contact Volunteer Connections in the Student Counselling and Resources Centre, Room 200, Brock Hall (228-3811).

Music Department Ensembles

Students interested in joining one of the music department's performing ensembles for credit or non-credit should contact the department by the end of the first week of classes. For details, call 228-3113.

Museum of Anthropology

Exhibits: The Copper that Came from Heaven: Dance Dramas of the Kwakwaka'wakw, continues through April, 1984. **Calendar Prints: Popular Art of India,** opens on Sept. 21 and continues through January, 1984. For details on museum activities, call 228-5087.

Second Class Mail
Registration Pending

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