

UBC REPORTS

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Kenny applauds feds, but issues warning

The federal government should be applauded for not making any precipitous changes in its support of post-secondary education, UBC President Douglas Kenny said in commenting on the federal budget brought down Nov. 12.

Dr. Kenny warned, however, that federal proposals for the long range pose serious challenges to all Canadian universities because of the government's announced intention of directing payments toward manpower training.

He said universities must make sure that their voices are heard by politicians at both provincial and federal levels, to divert governments from their simplistic views of universities.

"Universities are responsive to societal needs," President Kenny said, "but to earmark money for short-term manpower training would be a dangerous trend."

The UBC president, in a talk with campus journalists, said Finance Minister MacEachen's budget had been interpreted incorrectly by many reporters. Dr. Kenny said the Established Programs Financing Act was being extended without change for one year, to March 31, 1983, and there would be no decrease in federal funding for the coming fiscal year.

"I am delighted by that, the federal government should be applauded for that," he said.

Asked for comment on a statement by provincial finance minister Hugh Curtis that federal transfer payments to health and education in B.C. would be reduced by more than \$90 million during the next fiscal year, Dr. Kenny said, "I can't understand what Mr. Curtis is saying. He may have been misled by the wire services too."

The Association of Universities and Colleges of Canada (AUCC), the Canadian Association of University

Teachers (CAUT), the Confederation of University Faculty Associations of B.C., and the Canadian Federation of Biological Societies have all issued statements expressing similar views to those held by Dr. Kenny.

Here are the key points of their statements:

AUCC: "Overall, and for the short term, we are relatively pleased with the federal budget as it applies to the immediate financial support of Canadian universities. However, for the longer term, we are disturbed by

the persistent habit of the federal government for viewing higher education mainly in terms of manpower training.

"The universities are fully cognizant of their responsibilities in providing highly qualified manpower to Canadian society. But the process of so doing is far more complex than simply responding to immediately perceived shortages in given industrial areas.

"The association applauds the

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See FUNDING

AUCE turns down interim wage hike

Monthly increases ranging from \$15 to \$100 have been turned down by the Association of University and College Employees (AUCE) Local 1.

A similar wage offer to the Office and Technical Employees Union, Local 15, was accepted.

Both unions had asked for wage re-openers because their two-year contracts that expire March 31, 1982, called for only a 9.5 per cent increase in the final year, considerably below the rise in the cost of living.

The University offer was for the period Oct. 1, 1981, to March 31, 1982 — gross increases of between \$90 and \$600 for each AUCE and OTEU member.

The largest increases were for the top pay scales. Bob Grant, director of Employee Relations, explained:

"Our surveys showed that whilst our junior staff are well compensated relative to similar positions elsewhere, many of our more senior positions have fallen behind. Faced with the inability to obtain and retain qualified candidates for many of our senior positions, we saw in the requests for wage re-openers an opportunity to rectify a long-standing problem which has faced the University in recognizing the different levels of responsibilities and accountabilities required of our senior administrative and support staff."

The University's proposal to AUCE, in addition to the wage offer (phase I), called for a review of job classifications to take place by next March 31, (phase II) with the revised standards to be used for negotiating rates of pay in the next contract (phase III).

It was the job evaluation part of the proposal that led to AUCE's 'no' vote.

AUCE said in a news release issued after the Nov. 5 rejection vote that "the University's answers to our questions as to the meaning and intent of the proposal are unsatisfactory or unclear" and "the University insists

that the three phases of its proposal stand as a package, thus confusing the

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Retrenchment name omitted

WE'RE SORRY . . .

But we inadvertently omitted the name of Prof. John Dennison of the Faculty of Education from the list of members of the President's Advisory Committee on Fiscal Retrenchment in the issue of *UBC Reports* which appeared on Nov. 12. The 13-member committee is chaired by Prof. Michael Shaw, UBC's vice-president, academic, and provost.

Next 'Calendar' listing covers longer period

The Dec. 9 issue of *UBC Reports* will be the last issue published in 1981, and we'll be listing all Calendar events and notices for the period between Dec. 13 and Jan. 9 in that edition.

Deadline for submission of events to UBC Calendar for the Dec. 9 issue will be 4 p.m. on Dec. 3.

Calendar forms are available from the Department of Information Services, and we'd appreciate it if you'd use them — it makes putting the Calendar together a lot simpler. You can pick them up at our office (Room 207, Old Administration Building), or call us at 228-2064 and we'll send them to you through campus mail.

Notices should be sent to: UBC Calendar, Information Services, 6328 Memorial Rd.



Moving forward. UBC's Museum of Anthropology became an exciting new play area for this Indian toddler last Thursday, but the 24-hour occupation of the museum was far more serious to the more than 300 older Indians who took part. They were protesting the exclusion of aboriginal rights from constitutional package. Native rights were reinstated this week, but B.C. Indians are not satisfied with the wording.

Funding

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decision of the federal government to continue the level of its fiscal transfers to the provinces in support of post-secondary education. The proposal that consultation with the provinces take place over the next year with a view to developing new federal-provincial arrangements for the financing of post-secondary education is consistent with the views expressed by the AUCC."

CAUT: "The Canadian Association of University Teachers is pleased that the minister of finance did not cut the federal transfers under the Established Programs Financing Act allocated for post-secondary education.

"The federal government has announced that it wishes negotiations with the provinces this year. CAUT believes that there is no excuse for any provincial government to make cuts in the university system while this process is going on."

Confederation of University Faculty Associations of B.C.:

"First reaction to Mr. MacEachen's Nov. 12 budget suggests that federal transfer payments for post-secondary education and health will be cut. B.C.'s Finance Minister Hugh Curtis is quoted in *The Province*, Nov. 13, as saying that health and higher education programs in B.C. are going to be short about \$90 million next year because of the federal budget. This is emphatically not the case.

"The federal budget reduces revenue guarantees. These guarantees are for general funds: they are not earmarked for any particular program. The budget has not cut any of the Established Programs Financing transfers that have traditionally been regarded as providing funds for post-secondary education and health. Mr. MacEachen said quite clearly in his budget speech that he was not cutting anything from the health and education programs.

"Any cuts which are made to post-secondary education or health in the next fiscal year will, therefore, be the full political responsibility of the provincial government.

"In fact, in the fiscal year 1982-1983 British Columbia stands to make a net gain of \$37.1 million. The federal government estimates that B.C. will lose \$108.8 million from the reduction in the revenue guarantees. The tax changes, however, will bring an extra \$144.9 million to the province. There is therefore no excuse in the federal budget for any reduction in provincial funding to post-secondary education."

Canadian Federation of Biological Societies:

"The federation is relieved that the federal budget did not advocate cuts in federal transfers of funds to the provinces slated for the support of post-secondary education under the Established Programs Financing Act.

"The federation is, however, concerned that by ending the revenue guarantee programs, the federal government may impose problems on the general revenue positions of the provinces.

"We hope that both the provincial and federal governments will keep their word that the funds obtained through revenue guarantee programs are not part of the funds for post-secondary education and health care."

Finally, here is a verbatim reprint

from government papers issued Nov. 12 as supplemental to the budget speech, which carried the heading 'New Federal-Provincial Arrangements for the Financing of Post-Secondary Education and Human Resources Development'.

The Government of Canada proposes that new federal-provincial arrangements for the financing of post-secondary education and human resources development be devised, in consultation with the provinces, for incorporation in new federal legislation by March 31, 1983.

The government is of the view that existing federal-provincial arrangements for the financing of post-secondary education are not consistent with the country's present or future needs. Because of provincial jurisdiction over education, these transfers have in effect been unconditional. This was not an important issue when the main priority of both orders of government was the expansion and improvement of a national system of post-secondary educational institutions to which all Canadians would have access. However, social and economic circumstances have changed in recent years. The institutional infrastructure is now in place, and the growth in student population has abated.

Canada's economic development depends increasingly on our ability to make the most effective use of our human resources. This will require better co-ordination of higher education and related activities. Federal support for human resources development should accordingly be reassessed. The issue is no longer simply growth and program expansion, but the focus and direction required to restore and maintain the vitality of Canada's economy.

Concerted and sustained efforts are required to avoid university and college graduates finding themselves unemployed because of an over-supply of their particular skills, while industrial expansion is hampered by shortages of other skills. Although regional concerns remain important, long-term planning for the country as a whole has become vital, and the federal government has national responsibilities in this regard which cannot be ignored. Otherwise, potential waste through duplication and wasteful competition could impede efforts to accelerate growth of the Canadian economy.

Recognition of these emerging needs led to the inclusion, in the Fiscal Arrangements Act, of a provision for federal-provincial policy discussions on the future direction of post-secondary education. Unfortunately, the provinces have refused to engage in such discussions in the past five years.

The government believes that new federal-provincial arrangements for the joint financing of post-secondary education and human resources development are urgently needed. Accordingly, the Secretary of State and the Minister of Employment and Immigration will pursue consultations with the provinces to develop new and more effective federal-provincial arrangements in these fields. With co-operation and goodwill on both sides, better programs can be jointly developed and put in place. However, should no satisfactory progress be made by March 31, 1983, the government could freeze future per capita EPF cash transfers for post-secondary education at the 1982-83 level.

Renovated cafeteria liked by customers

How do people like the new look in the Student Union Building Cafeteria? Food Services director Christine Samson says she is getting a lot of positive feedback from members of the University community and visitors to the campus.

The renovated cafeteria re-opened on Sept. 8 for lunch only, and began regular day and evening service on the first day of classes (Sept. 14). Ms. Samson says the renovations went smoothly, without "the usual nightmares that can accompany setting up a facility of this size."

"We're able to offer more personalized service now," she says. "We've added more 'made to order' sections like the sandwich bars and the omelette and pasta sections."

Ms. Samson says she's pleased with the results of the renovations, which began last April. "It took a great team effort on the part of the architect Dave Mackey of Musson Cattell and Partners, and the contractors Turnball and Gale to get the cafeteria ready for Sept. 8. The project was finished on time and came in on budget — that's really something for this day and age."

Ms. Samson does have one request for customers using the facility. "We've been experiencing a few problems with people leaving their used dishes on the tables. With the large turnover of patrons in the cafeteria, tables can get very messy. We'd really appreciate it if people

would use the tray racks provided."

Ms. Samson, director of Food Services at UBC since 1977, feels that the food facilities on campus should provide an atmosphere for social contact as well as a place to consume our daily food and drink.

"One of my goals since joining the department has been to improve the physical surroundings of some of the cafeterias on campus. I think food facilities should offer a pleasant and relaxing atmosphere where people can meet and enjoy their lunch hours."

Ms. Samson says she's had a lot of support from the University in introducing new ideas, both in menus and decor. "I've been lucky throughout my career to work for people who let me go ahead with ideas. I think it's important to be given the freedom to work to your potential. I hope I show that same consideration to members of my department."

Ms. Samson graduated from Acadia University in Nova Scotia with a degree in Home Economics, and did a year-long internship as a dietician at the University of Alberta Hospital, and then joined the food services department at that University.

Since then she has served as the director of food services at the University of Victoria, McGill University and UBC.

Last year Ms. Samson was appointed President Elect of the University and College Food Services Association.

Labor

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two issues of wages and review of job standards."

Earlier, in response to an Oct. 23 letter expressing AUCE's concerns about how the job standards review would be handled, Mr. Grant said on Oct. 29:

"We are quite prepared to meet with you to discuss the proposals, phase II and phase III. If your committee wishes a meeting with the University, please advise my secretary who will set it up as soon as possible."

The union responded on Nov. 3. There was no response to Mr. Grant's offer of a meeting, but AUCE asked: "Is the University prepared to separate phase I from phases II and III, given an agreement that revised job standards would be the subject of contract negotiations after Jan. 1, 1982?"

To this, the University responded on Nov. 4, stating that the offer stood as a package. The University letter continued:

"The University accepts the fact that phases II and III would be accomplished by agreement through negotiations. Further, reviewing job standards as soon as possible would help negotiations for contract renewal next year. Acceptance of the University's package does not in any way inhibit free collective bargaining, nor does it commit the union to a particular position in advance of those negotiations.

"Since our offer is in direct response to the union's concern over obsolete standards and because of the major problems both parties are presently

experiencing with classification issues, we can not understand your apparent reluctance to respond positively to a genuine effort on our part to meet the needs of your members."

At the union meeting Nov. 5, AUCE members defeated a motion that the University offer be settled via mail ballot, and then defeated a motion calling for a secret ballot. The rejection motion was then carried by a show of hands. The motion read as follows:

"That the membership of AUCE Local One rejects the University's three-phase proposal of 16 October and instructs the contract committee to undertake to negotiate, in accordance with Article 31.01, revised job standards which accurately reflect the work actually performed by AUCE members."

Mr. Grant said he was puzzled by the union reaction.

"They asked us on Aug. 12 for a review of job standards, and they asked for interim wage increases even though their contract runs until next April.

"We offered wage increases that we felt clearly would rectify anomalies, and we offered to meet with them to negotiate job standards. It was a package deal, and they have said they don't want it.

"However, they now have asked to meet to discuss job standards, and we are prepared to meet with the union at any time. But with the rejection of our package offer, there can be no adjustment of wages until the next contract has been negotiated."



If you're looking for out-of-the-ordinary Christmas gifts this year, why not do your shopping at the Museum of Anthropology gift shop? The museum shop, manned above by staff member Dorothy Pink, is offering reductions of up to one-third on ethnic craft items such as Northwest Coast Indian bowls, masks, poles, rattles and spoons.

Museum programs start on Knowledge Network

MOA Presents, a series of six programs produced by the UBC Museum of Anthropology in cooperation with the National Museums of Canada, will be broadcast on Knowledge Network in November

and December, on Fridays from Nov. 20 through Dec. 25 (at 10:30 p.m.) and repeated on Mondays from Nov. 23 through Dec. 28 (10 p.m.).

The programs focus on regional cultures, past and present. Traditional and contemporary Northwest Coast Indian cultures are emphasized, but there are also programs about China, India and other areas.

Program 1: The first program takes the viewer on a tour of the Museum of Anthropology, behind the scenes to look at African and Inuit sculpture.

Program 2: This program focuses on Salish Indian sculpture and engraving.

Program 3: *MOA Presents* goes on an expedition to India and China, to collect cultural treasures for the Museum of Anthropology. Collectors discuss what, how and why objects are acquired for museums.

Program 4: Canoes, the sea, and Northwest Coast Indian life are the themes of the program, which also features the artist Norman Tait carving and launching a canoe.

Program 5: *MOA Presents* examines antiquities, including Roman and Byzantine artifacts. The second part of the program deals with objects relating to the prehistory of British Columbia.

Program 6: Researcher Karen Duffek gives some insights into the current booming market in Northwest Coast Indian arts and crafts. The program also takes a look at the contemporary carvings in the UBC Museum of Anthropology's outdoor totem park.

MOA Presents is produced with the assistance of the Museum Assistance Programs of the National Museums of Canada.

60 per cent ceiling set for serials

The UBC Senate has taken action to make sure that not too high a percentage of the Library budget is spent on serial subscriptions.

At its November meeting, Senate approved the following proposal:

"The Senate Library Committee should review annually the proportion of expenditure on serial subscriptions in the Library Collections Budget. It should inform Senate each year of the advice given to the Librarian for the planning of expenditures in the following year. For the 1982-83 budget year, the committee recommends that the target figure for serials expenditure be 60-65 per cent of the collections budget, with a goal of 60 per cent to be attained by 1984-85."

In the past 12 years, the percentage of the collections budget spent on serials has risen from 32 per cent to 57 per cent, chiefly because the cost of subscriptions has risen fivefold.

Senate was told that without restrictions on the purchase of serials, their share of the collections budget would be 80 per cent by 1984-85.

5-year energy plan; we spend to save

UBC plans to spend more than \$5 million on an energy conservation program over the next five years, and the program will almost pay for itself within the same period of time.

Part of the new five-year capital plan submitted to the Universities Council, the program calls for the following spending schedule:

1982-83	\$500,000
1983-84	1,500,000
1984-85	1,200,000
1985-86	1,200,000
1986-87	1,300,000
TOTAL	

(in 1982 dollars) \$5,700,000

Savings in energy costs to the end of fiscal 1986-87 would total \$5.37 million, and cumulative net benefits would be on the credit side soon after.

In fact, a report prepared by the Department of Physical Plant, for the Board of Governors, predicts a "cost avoidance" in the order of \$19 million during the 1980-1990 decade, based on an energy use reduction target of 30 per cent, "which all available information indicates as being reasonable."

Arthur Orr, a mechanical engineer who spent 10 years as an energy consultant with the federal government, joined UBC in 1980 to carry out energy studies and supervise work aimed at reducing the University's annual energy bill — more than \$4 million this year for oil, electricity and natural gas.

Energy studies are under way or already complete in a number of campus buildings, including the Buchanan Tower, Angus Building, Sedgewick Library, Woodward Buildings and the Brock Annex.

"Studies are being made of the heating, ventilation and air conditioning systems in each

building," said Mr. Orr. "Once we determine where energy is being wasted, we can decide on cost efficient ways of dealing with the problem."

Another conservation method introduced at UBC by Mr. Orr is delamping, the removal of unnecessary lights after readings have been taken and the occupants consulted. Already, more than 10,000 40-watt fluorescent tubes have been removed.

"In Woodward Library," Mr. Orr said, "we removed 50 per cent of the lights in some areas and removed five out of every six in other areas. When you are delamping, you want to make sure that the people using the facilities are satisfied."

The report to the Board cites some specific examples of expenditures for the modification of specific buildings, the expected annual reduction of energy costs, and the anticipated payback period.

For the Buchanan Tower, for example, delamping will cost \$7,300, mechanical alterations \$73,570, and the total cost of \$80,870 would bring an annual saving on energy bills of \$40,605. The work would pay for itself in two years.

Thunderbirds, Clan clash in Shrum classic

If results of games against common opponents are an indication of what might happen in this Saturday's Shrum Bowl football classic between UBC and SFU, then a close game can be expected.

The fourth annual Shrum Bowl revival has an 8 p.m. kickoff time at Empire Stadium. Tickets are available on campus at the AMS box office in the Student Union Building at a price of \$3 for students and \$6 for others. Proceeds go to the United Way.

Common opponents this season for SFU and UBC were the University of Calgary and Eastern Washington University, and results were similar.

The Simon Fraser Clansmen defeated Calgary 34-10 but were bombed by Eastern, 50-14. UBC's Thunderbirds played Calgary twice in regular Western Intercollegiate play, winning 34-1 in Calgary and 25-16 at Thunderbird Stadium. Eastern whipped UBC 29-6.

Since the UBC-SFU football rivalry was renewed in 1978, UBC has won two of the three games. It was 22-14 for UBC in 1978, and 4-3 for the Thunderbirds the following year. But last year's game was an easy one for SFU, the Clan taking it 30-3.

Saturday's Shrum Bowl is the season finale for both teams. UBC was eliminated from Canadian intercollegiate play on Oct. 13 when the University of Alberta posted an 11-8 victory in the WIFL final.

Senate to vote on retrenchment

The UBC Senate will decide at its December meeting whether it will have its own retrenchment committee.

Senate accepted at its November meeting a notice of motion to that effect by student Senator D.N. McDonnell. She called for Senate to establish a committee to look at the financial crisis and to come up with methods of dealing with the situation.

Earlier, Prof. Jean Elder (History) had raised the question of whether Senate's views would be heard by the President's Advisory Committee on Fiscal Retrenchment before the committee reported to the president.

Vice-president Michael Shaw, who chairs the retrenchment committee, said the committee had met about 20 times and had collected a lot of data but was not ready to report yet. He said the retrenchment committee welcomed the written views of Senators or anyone else, but it didn't have the time to make appointments and listen to the views of individuals.

Prof. Peter Suedfeld (Psychology) pointed out that the retrenchment committee was purely an advisory body. He said the president had the right to seek advice, or not to seek advice, from anyone.

MONEY: Where the University gets it, and where the University spends it

President Douglas Kenny has now completed a series of meetings with each of UBC's 12 faculties to discuss the University's financial difficulties and to answer questions by faculty members. The financial information provided to faculty members at this series of meetings, together with additional explanatory tables, is shown on these pages and on Page 6.

TABLE 1. UBC'S NET REVENUE FOR 1981-82

Sources of Revenue	000's of Dollars	Percentage
Grant from Provincial government	\$161,781	89.57
Canada National Museums grant	200	.11
Tuition Fees (excludes Centre for Continuing Education and professional continuing education course fees totalling \$3,436,000)	15,799	8.75
Other sources	2,834	1.57
	<u>\$180,614*</u>	<u>100.00</u>

*The University's net operating budget of \$180,614,000 for the 1981-82 fiscal year (April 1, 1981 to March 31, 1982) represents an increase of 13 per cent over the 1980-81 net operating budget of \$159,796,000.
 N.B. The 1981-82 operating budget total does not include grants for specific purposes designated by the provincial Ministry of Universities. See Table 5.

TABLE 2. UBC'S NET EXPENDITURES FOR 1981-82

	000's of Dollars		Percentage
SALARIES AND FRINGE BENEFITS			
Teaching and Board appointments	\$93,466		
Technical and office salaries	46,086	\$139,552*	77.27
Provision for salary increases		17,759+	9.83
		<u>\$157,311</u>	<u>87.10</u>
SUPPLIES AND OPERATING EXPENSES			
Faculties, Academic and Student Services:			
General	\$ 7,684		
Library collections	3,926		
Computing services	1,317		
Student aid	1,991		
Research committee grants	1,000	15,918	8.81
Plant Maintenance and Administration			
General	\$ 952		
Utilities	4,971		
Repairs and maintenance and custodial supplies	1,462	7,385	4.09
		<u>\$180,614</u>	<u>100.00</u>

*UBC's total bill for salaries and fringe benefits (\$139,552,000) is made up of two elements, as follows:

Subject to collective agreements under the provincial Labour Code or otherwise	\$120,802,000	86.56%
Not subject to collective agreements	\$ 18,750,000**	13.44%
	<u>\$139,552,000</u>	<u>100.00</u>

**Includes stipends for teachers during the spring and summer sessions and for extrasessional duties as well as salaries for sessional and academic assistants, president, deans and vice-presidents, administrative, executive, non-union technicians and for office and executive secretaries and administrative and professional staff not covered by collective agreements.

+ This is the amount budgetted by the University in 1981-82 for salary increases and related fringe benefits for faculty and support staff.

TABLE 3. THE OPERATING GRANT SHORTFALL

The estimated annual cost to the University of salary increases and related fringe benefits for the 1981-82 fiscal year is ... \$25,242,000

LESS budget provision for salary increases and related fringe benefits in the 1981-82 fiscal year (see Table 2) 17,759,000

ESTIMATED ANNUALIZED SHORTFALL \$ 7,483,000

TABLE 4. OPERATING BUDGET EXPENDITURE — 1981-82 FISCAL YEAR

The table below outlines University expenditures for the current year between faculties and other operating units. Figures given are 000's of dollars.

Detail	Teaching & Board Appt's	Technical & Office Staff	Supplies & Operating Expenses	Total Gross Budget	Cost Recoveries*	Total Net Budget
Faculty of Agricultural Sciences	\$ 2,200	\$ 1,068	\$ 628	\$ 3,896	\$ 496	\$ 3,400
Faculty of Applied Science	7,062	1,949	845	9,856	—	9,856
Faculty of Arts	21,227	2,342	1,056	24,625	203	24,422
Faculty of Commerce & Business Administration	4,212	500	273	4,985	162	4,823
Faculty of Dentistry	1,895	811	554	3,260	190	3,070
Faculty of Education	9,467	1,340	746	11,553	16	11,537
Faculty of Forestry	1,395	659	526	2,580	498	2,082
Faculty of Graduate Studies	1,358	490	203	2,051	44	2,007
Health Sciences	190	295	390	875	528	347
Faculty of Law	1,896	283	155	2,334	—	2,334
Faculty of Medicine	9,685	2,757	631	13,073	195	12,878
Faculty of Pharmaceutical Sciences	1,146	183	87	1,416	5	1,411
Faculty of Science	13,795	3,670	1,851	19,316	—	19,316
Credit Course Programs	1,296	114	148	1,558	—	1,558
Academic Services	2,528	4,472	3,235	10,235	3,347	6,888
Libraries	3,148	4,803	4,784	12,735	435	12,300
Student Services	764	1,485	503	2,752	793	1,959
Fellowships, Scholarships, Prizes and Bursaries	—	—	1,991	1,991	—	1,991
Research Committee Grants	—	—	1,000	1,000	—	1,000
Plant Maintenance	51	12,051	5,822	17,924	849	17,075
Administration	1,001	4,144	923	6,068	2	6,066
General Expenses & Fringe Benefits	9,483	4,976	675	15,134	—	15,134
Provisions for:						
Salary Increases & Promotions	11,774	5,985	—	17,759	—	17,759
Other Designated Purposes	1,118	9	255	1,382	—	1,382**
Contribution to Ancillary Enterprises	—	—	19	19	—	19***
	<u>\$106,691</u>	<u>\$54,386</u>	<u>\$27,300</u>	<u>\$188,377</u>	<u>\$7,763</u>	<u>\$180,614</u>
% Distribution	<u>56.64</u>	<u>28.87</u>	<u>14.49</u>	<u>100.00</u>		

*Cost Recoveries include revenue from services to individuals and outside organizations and sales of products. Examples include agricultural farm revenues, theatre ticket sales, revenue from continuing education courses and programs, dental clinic revenues, forestry timber sales, computer time charges and recovery of steam and utility costs.

**Provision for Other Designated Purposes includes President's Reserve for Approved New Positions (\$679,000), salary increases 1980-81 for Teaching Assistants and Dentistry faculty (\$439,000), President's Contingency Fund (\$234,000) and Miscellaneous (\$30,000).

***Contribution for Ancillary Enterprises is for maintenance of Campus Community Health Centre.

TABLE 5. DESIGNATED OR SPECIFIC PURPOSE FUNDS

Excluded from UBC's net operating budget of \$180,614,000 for the 1981-82 fiscal year are certain funds which are for specific purposes designated by the provincial Ministry of Universities. Figures are given in 000's of dollars.

1. For Specific Purposes Designated by Ministry

(a) Non-Metropolitan Programs (Credit and Non-Credit)	\$ 1,122
(b) Community Health Centres (Fairmont and Campus Units)	168
(c) Engineering Expansion	980
(d) Recon Library Project	460*
(e) Medicine Cost Transfers	1,044**
(f) Medical Expansion (Not Released)	8,396***
(g) Industrial Education Teacher Training	784
	<u>\$12,954</u>

2. For Major Equipment Acquisition

Total 1981-82 Cash Grant	<u>\$ 1,920</u>
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*This project provides for the conversion of UBC's Library card catalogue to microfiche.

**This figure represents a transfer of funds from the provincial Ministry of Health to the Ministry of Universities for the support of branch libraries and biomedical communications facilities at teaching hospitals.

***These funds, requested by the University to provide for expansion of enrolment in UBC's medical school, have not yet been released by the provincial government.

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... for Table 6, which outlines the method used to provide financing for capital construction at UBC. The capital funding outlined in Table 6 cannot be used for general operating purposes.

Longtime UBC friend dies at 81

Aubrey F. Roberts, who helped raise millions of dollars for construction of new UBC buildings and for campus athletic activities, died suddenly on Nov. 15 at the age of 81.

Mr. Roberts joined the UBC administrative staff in 1957 to serve as general director of the UBC Development Fund, the first capital gifts campaign undertaken in Canada by a university. The initial fund objective of \$5 million was subsequently raised to \$10 million as the result of outstanding public response.

All contributions to the fund were matched by the provincial government, giving the University more than \$20 million for new buildings.

Mr. Roberts' association with the University extended back to the early 1920s, when he was a member of the committee that organized the Great Trek of 1922-23. The trek resulted in the provincial government of the day appropriating funds for the completion of buildings on Point Grey, which enabled the University to move to its present site from temporary quarters in Fairview.

In 1955, the students of UBC honored him by conferring on him the Great Trekker Award. He was the only recipient of the award not to graduate from UBC, opting instead for a career in journalism.

He joined *The Province* newspaper, where he rose from office boy to executive editor. He left that paper in 1943 to become editor of the *News-Herald*, a post he held until 1945, when he became the Vancouver manager for a business consulting and public relations firm.

Six years after joining the UBC staff, Mr. Roberts resigned to return to business as a consultant. He also

served in the 1960s as a consultant and assistant to the publisher of the short-lived *Vancouver Times*.

He served as chairman of the Alumni Annual Giving Fund from 1948 to 1952. Throughout his association with UBC, Mr. Roberts was a strong supporter of campus athletic activities, especially rowing, and raised thousands of dollars for the

purchase of equipment, including racing shells. In 1975, one of two new shells purchased for the rowing crew was named the "Aubrey Roberts I" in his honor.

Mr. Roberts is survived by his wife, Zella, daughter Beverley (Mrs. William A. McGavin), three brothers, three granddaughters and a great grandson.

Canadian agents subject of UBC grad's book

UBC Alumnus Roy MacLaren is the author of a recent publication from the University of British Columbia Press, entitled *Canadians Behind Enemy Lines, 1939-1945*.

Roy MacLaren was born in Vancouver and attended UBC, where he earned a Bachelor of Arts degree in 1955. In 1957 he received his M.A. from Cambridge University and returned to Canada to join the

Department of External Affairs in Ottawa. He later served as First Secretary to the Permanent Mission of Canada to the United Nations.

MacLaren's *Canadians Behind Enemy Lines* is an in-depth look at Canadian agents who volunteered for clandestine warfare during World War II. "The book describes the experiences of over 100 Canadian volunteers who parachuted into Europe and Asia to assist local resistance groups in sabotage and ambush of the enemy or in smuggling allied airman out of occupied territory," said Marie Stephen of the UBC Press.

"The contribution to ultimate victory made by this small band of heroic Canadians, many of whom did not return from behind enemy lines, has seldom been recognized," said Ms. Stephen.

Mr. MacLaren is currently Parliamentary Secretary to the Minister of Energy, Mines and Resources, and is president of CB Media, which publishes *Canadian Business* and *Energy* magazines.

Degrees designated in Rehab Medicine

The UBC Senate has approved two new degree designations in the School of Rehabilitation Medicine, and the requirements for a dual degree.

The new programs are in occupational therapy and physical therapy, and the degree designations will be B.Sc. (O.T.) and B.Sc. (P.T.).

Students wishing to become dually qualified will be required to complete 25 designated units in not less than two years in order to qualify for the second degree, having already completed the first degree.

TABLE 6. UBC CAPITAL FINANCING

Since early 1977, the University has received financing for capital construction of new academic buildings, other facilities and public works and renovations from the B.C. Educational Institutions Capital Financing Authority. Funds are borrowed for specifically authorized capital projects from the Authority on a 20-year basis. Debt repayment, including interest and sinking fund requirements, are funded by the Ministry of Universities. Capital funding of this nature cannot be used for general operating purposes.

I. Project	Estimated Cost	Authorized Borrowing
Aquatic Centre	\$1,000,000	\$1,000,000
Library Processing Centre	3,200,500	3,189,730
Home Economics	5,000,000	5,000,000
Nursing & Rehabilitation Medicine	4,109,790	4,109,790
Psychology	12,150,000	12,150,000
Public Works 1977-78	3,125,700	3,125,700
Building Renovations	2,520,000	2,520,000
Health Sciences Centre	31,317,269	31,317,269
Labour Intensive Capital Projects	5,122,000	5,122,000
Asian Centre	3,591,952	3,591,952
Parkade - Health Sciences Centre	4,400,000	4,160,000
TRIUMF	2,565,000	2,565,000
TRIUMF	4,910,000	294,600
Public Works 1979-80	4,765,600	4,765,600
Public Works & Renovations 1980-81	5,538,000	5,538,000
Acute Care Equipment	3,085,000	3,085,000
Chemistry/Physics	11,000,000	660,000
Public Works 1981-82	6,400,000	6,400,000
	<u>\$113,800,811</u>	<u>\$98,594,641</u>

2. Major Equipment

- (a) 5-year catch up effort - estimated for 3-University system \$14,000,000
- (b) Capital Financing Authority borrowing Recommended by UCBC in 1981-82 but not released:
 - For UBC \$3,500,000
 - For System \$5,000,000
- (c) In addition to the 5-year catch up effort in 2(a) above, UCBC has included in its 5-year capital program commencing fiscal 1982-83 \$5,000,000 per annum for the system.

GRANT DEADLINES

Faculty members wishing more information about the following research grants should consult the Research Administration 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).

Jan. 1

- Canadian Veterinary Research Trust Fund - Grants in Aid of Research.
- Donner Foundation - Research Grant.
- Ford Foundation - Fellowship Program in Dual Expertise.
- March of Dimes Birth Defects Foundation (US) - Education Grants.
- MRC: Special Programs - Symposia and Workshops.
- SSHRC: International Relations Division - Bilateral Scholarly Exchange: France.
- SSHRC: International Relations Division - International Collaborative Research.

Jan. 8

- University of British Columbia - Northern Scientific Training Grants.

Jan. 10

- Hamber Foundation - Foundation Grant.
- National Huntington's Disease Association - Post-Doctoral Fellowship.
- Transport Canada - Negotiated Research Contributions.

Jan. 15

- Canada Council - Grants for Visiting Foreign Artists.
- Canada Council - Translation Grant.
- Imperial Oil Limited - University Research Grants.
- Industry, Trade and Commerce - Research Grants.
- Industry, Trade and Commerce - University Course Development Grant.
- Lalor Foundation Fellowship.
- MRC: Grants Program - Travel.
- MRC: Special Programs Queen Elizabeth II Scientists Awards.
- Muscular Dystrophy Association of Canada - Post-Doctoral Fellowships.
- National Research Council of Canada - Research Associateships in NRC Labs.
- NSERC: Fellowships Division - Visiting Fellowships in Canadian Gov't Labs.
- Smithsonian Institution - Fellowship.
- SSHRC: International Relations Division - Aids to International Secretariats.
- St. John's College Commonwealth Fellowship.
- Sugar Association Inc. - Research Grant.

Jan. 21

- Canadian Dairy Commission - Milk Product and Market Research Contract.

Jan. 30

- Medical Services Foundation (BCMSF) Research Grant.
- Canada Mortgage and Housing Corporation - Research Grants Type A (to \$2,500).

Jan. 31

- North Atlantic Treaty Organization Human Factors Program.
- North Atlantic Treaty Organization Joint Programs: Human Factors and Systems Science.
- North Atlantic Treaty Organization Systems Science Program.

UBC CALENDAR

Calendar Deadlines

Dec. 9 will be the last publication date for UBC Calendar until Jan. 6, 1982. We will therefore be listing all events between Dec. 13 and Jan. 9 in the Dec. 9 issue. Deadline for these events will be Thursday, Dec. 3 at 4 p.m. Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building.) For further information, call 228-3131.

The Vancouver Institute.



Saturday, Nov. 28
Canada's Economy:
Prospect and Policy.
Prof. Thomas Shoyama,
University of Victoria.
Lecture Hall 2,
Woodward Instructional
Resources Centre.
8:15 p.m.

MONDAY, NOV. 30

Cancer Research Seminar.

The Cloning and Structure of the Human Dehydrofolate Reductase Gene. Dr. Mann-Jy Chen, Hematology Division, National Institute of Health, Bethesda, Md. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Science and Ethics Discussion Group.

An Ecologist Standing Up Among Seated Social Scientists or Why Ecologists and Economists Must Somehow Hear One Another. Room 304, Hennings Building. 12:30 p.m.

Fine Arts and Classics Lecture.

Etruscan Tomb Architecture and the Early Stages of Renaissance Archeology. Prof. John Oleson, Classics, University of Victoria. Room 104, Lasserre Building. 12:30 p.m.

Linguistics Workshop.

Metrical Structure and Accentuation in Tiberian Hebrew. Prof. Elan Dresher, Linguistics, UBC. Room 365, Buchanan Building. 2:30 p.m.

Mechanical Engineering Seminar.

Robotics: An Overview. W. Cameron, Material Handling Section, TRIUMF. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

Modelling Nonlinear Waves of Spreading Cortical Depression. Prof. Robert M. Miura, Mathematics, UBC. Room 104, Mathematics Building. 3:45 p.m.

Biochemical Discussion Group Seminar.

Cultured Nb Rat Lymphoma Cells: Tool in Peptide Hormone Research. Lecture Hall 4, Woodward Instructional Resources Centre. 4:30 p.m.

Archeology Lecture.

Slaves, Mules, Water-Wheels and the Place of Machinery in the Classical World. Prof. John Oleson, Classics, University of Victoria. An illustrated lecture sponsored by the Archaeological Institute of America, Vancouver Society. Lecture Theatre, Museum of Anthropology. 8 p.m.

TUESDAY, DEC. 1

Faculty Women's Club.

Regular meeting and presentation of honorary life memberships. There will be Christmas music, and a Christmas lunch (cost is \$2) will be served from 12 to 1 p.m. For reservations, please call 261-9007 or 224-3557 before Nov. 28. Cecil Green Park. 10:30 a.m.

Asian Centre Presentation.

Presentation of three Asian (Japanese, Indian and Chinese) legends by The Snake in the Grass Moving Theatre. Gallery Theatre, Museum of Anthropology. 12:30 - 2:30 p.m.

Botany Seminar.

Amazonian Hallucinogenic Plants: Botany, Chemistry and Ethnopharmacology. D. McKenna, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Forestry Seminar.

The Conflict Between Agriculture and Forestry in B.C. Dr. Alan Chambers, Forestry and Animal Resource Ecology, UBC. Room 166, MacMillan Building. 12:30 p.m.

Asian Centre Film.

Glimpses of China. Asian Centre. 12:30 p.m.

Chemistry Lecture.

Physical Mechanism of Intercalation Batteries. Dr. Rudolph Haering, Physics, UBC. Room 126, Chemistry Building. 4:30 p.m.

WEDNESDAY, DEC. 2

Pharmacology Seminar.

Mechanism of Calmodulin Regulation of Calcium Transport in Cardiac Muscle. Dr. Sidney Katz, Pharmacology and Toxicology, Pharmaceutical Sciences, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Wednesday Noon-Hour Concert.

Paul Douglas, baroque flute, and Alan Rinehart, baroque guitar. Recital Hall, Music Building. 12:30 p.m.

Anatomy Seminar.

Early Experience Stress and Coping: Behavioral and Pituitary Adrenal Effects. Dr. J. Weinberg. Room 37, Anatomy Building. 12:30 p.m.

Information Meeting.

Information meeting of the B.C. Legislative Internship Program. Room 478, Buchanan Building. 12:30 p.m.

Chemical Engineering Seminar.

An Analog Computer Simulation of Blood-to-Lymph Transport. Room 206, Chemical Engineering Building. 3:30 p.m.

Statistics Workshop.

Increasing Failure Rate and Growing Old. Dr. Cindy Greenwood, Mathematics, UBC. Room 214, Geography Building. 3:30 p.m.

Geophysics Seminar.

The San Andreas Fault and Associated Geodetic Deformation Near Cholame Valley, California. Dr. W.F. Slawson, Geophysics and Astronomy, UBC. Room 260, Geophysics and Astronomy Building. 4 p.m.

Biophysics Seminar.

The Mechanism of Contraction in Skeletal Muscle. Dr. B.H. Bressler, Anatomy, UBC. Room 201, Hennings Building. 4 p.m.

Animal Resource Ecology Seminar.

Predator Diversity and Speculations on the Function of Lateral Plates in Sticklebacks. Dr. Tom E. Reimchen, Zoology, University of Alberta, Queen Charlotte Islands campus. Room 2449, Biological Sciences Building. 4:30 p.m.

THURSDAY, DEC. 3

Urban Land Economics Workshop.

Rental and Owner Housing Markets in an Inflationary Environment. Prof. Craig Swan, Economics, University of Minnesota. Penthouse, Angus Building. 10 a.m.

Anthropology and Sociology Colloquium.

Archeological Investigations of Ethnicity. Sheila Greaves and Martin Magne, Anthropology and Sociology, UBC. Rooms 207-209, Anthropology and Sociology Building. 12:30 p.m.

History Lecture.

The Confrontation of Cultures in Colonial North America. Prof. Gary Nash, History, University of California, L.A. Sponsored by the Faculty of Arts Distinguished Visitors Program. Room 100, Buchanan Building. 12:30 p.m.

Regional Mass Spectrometry Discussion Group Seminar.

Analysis of Component Mixtures By Chromatography - Mass Spectrometry Using Quadropole and Magnetic Mass Spectrometers. Dr. R.F. Bonner, Technical Marketing Associates. Room 124, Chemistry Building. 1:30 p.m.

Asian Centre Lecture.

Natsume Soseki and his Teacher James Murdoch: Their Opposite Views of the Modernization of Japan. Room 604, Asian Centre. 2:30 p.m.

Condensed Matter Seminar.

The Quantum Hall Effect: Conduction in 0, 1/2, 1, 3/2, 2 or 3 Dimensions. Richard Prange. University of Maryland. Room 318, Hennings Building. 2:30 p.m.

Chemistry Seminar.

Structure of Palytoxin. Dr. Richard Moore, Chemistry, University of Hawaii. Room 225, Chemistry Building. 2:30 p.m.

Faculty of Medicine Special Lecture.

DNA Sequence and the Structure and Control of Genes. Dr. Michael Smith, Biochemistry, UBC. Lecture Hall 5, Woodward Instructional Resources Centre. 4 p.m.

Physics Colloquium.

The Space Gyroscope. Prof. C.W.F. Everitt, Physics, Stanford University. Room 201, Hennings Building. 4 p.m.

Immunology Seminar.

Opsonic and Non-Opsonic Recognition of Staphylococci by Human Phagocytic Cells. Room 200, Westbrook Building. 4 p.m.

SUB Films.

9 to 5. Continues on Friday, Dec. 4 and Saturday, Dec. 5 at 7 and 9:30 p.m., and at 7 p.m. on Sunday, Dec. 6. Auditorium, Student Union Building. 7 p.m.

Friends of the Geological Museum.

The public is welcome to come to this informal meeting of the Friends of the Geological Museum. Dr. Lee C. Pigage will present a program on the summer activities and experiences of an exploration geologist, and mineral and fossil specimens will be for sale. For information, call Joe Nagel at 228-5586. Museum, Geological Sciences Building. 7:45 p.m.

Faculty Recital.

Martin Hackleman, french horn, with Robin Chow, piano. Recital Hall, Music Building. 8 p.m.

FRIDAY, DEC. 4

History Lecture.

The New Social History and the Problem of Lower Class *Mentalite*. Prof. Gary Nash, History, University of California, L.A. Sponsored by the Faculty of Arts Distinguished Visitors Program. Penthouse, Buchanan Building. 9:30 a.m.

UBC Wind Symphony.

Music of Vaughan Williams, Grainger, Holst and Walton. Martin Berinbaum, director. Old Auditorium. 12:30 p.m.

Medical Genetics Seminar.

Hamartoblast - What?? Dr. J.C. Hall. Fourth Floor Conference Room, Health Centre for Children, VGH. 1 p.m.

Linguistics Colloquium.

Get-Passives in the Extended Standard Theory. Richard DeArmond, Languages, Literature and Linguistics, SFU. Room 2230, Buchanan Building. 3:30 p.m.

Geological Sciences Lecture.

Geothermal Energy from Sedimentary Basins. Prof. Laurance Vigrass, director, Energy Research, University of Regina. Room 330A, Geological Sciences Building. 3:30 p.m.

SATURDAY, DEC. 5

Covering Corporations: Opening Boardroom Doors.

Seminar and Panel Discussion. Cost is \$15. For registration information, call the Centre for Continuing Education at 228-2181. Angus Building. 10 a.m. to 1 p.m.

SUNDAY, DEC. 6

UBC Wind Symphony.

Music of Vaughan Williams, Grainger, Holst and Walton, directed by Martin Berinbaum. Old Auditorium. 7:30 p.m.

MONDAY, DEC. 7

Cancer Research Seminar.

Mutagens, Carcinogens, and Anti-Carcinogens in Food. Dr. Miriam Rosin, Environmental Carcinogenesis Unit, B.C. Cancer Research Centre. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

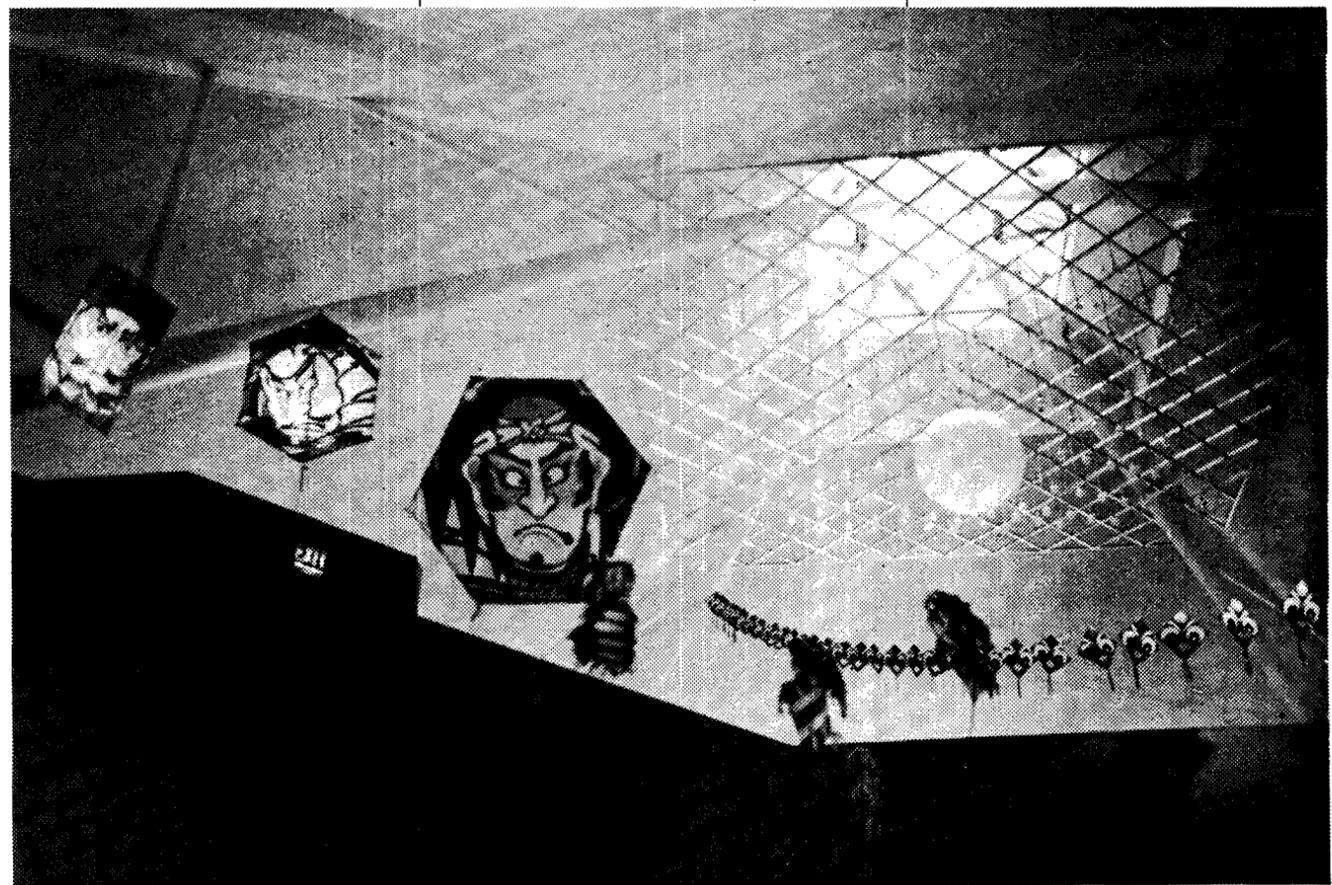
Science and Ethics Discussion Group.

Are the Products of Science and Technology Ethically Neutral? Room 304, Hennings Building. 12:30 p.m.

Linguistics Workshop.

Metrical Structure and Accentuation in Tiberian Hebrew. Prof. Elan Dresher, Linguistics, UBC. Room 365, Buchanan Building. 2:30 p.m.

Continued on page 8



If you get the feeling you're being watched when you enter the foyer of the Asian Centre these days, it could be because of the collection of Asian kites mounted from the ceiling of the building. The display continues until Nov. 30. The Asian Centre is open from 8:30 a.m. to 8 p.m., Monday through Thursday; 8:30 a.m. to 5 p.m. on Friday; 9 a.m. to 5 p.m. on Saturday; and is closed Sundays.

UBC CALENDAR

continued from page 7

Monday, Dec. 7 continued

Mechanical Engineering Seminar.

Consulting Experience in the Environmental Engineering Field. Dr. T. Jandali, Environmental Science Ltd. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

The Last Spruce Budworm Lecture. Dr. Don Ludwig, Mathematics and Animal Resource Ecology, UBC. Room 104, Mathematics Building. 3:45 p.m.

Astronomy Seminar.

A CO Survey of the Southern Galactic Plane. Dr. W.H. McCutcheon, Physics, UBC. Room 318, Hennings Building. 4 p.m.

TUESDAY, DEC. 8

Forestry Seminar.

The Interim Potential of Biomass as a Chemical Feedstock. Dr. Les Paszner, Forestry, UBC. Room 166, MacMillan Building. 12:30 p.m.

Asian Centre Films.

China Mission: The Chester Ronning Story and *People Between*. Asian Centre. 12:30 p.m.

Chemistry Seminar.

Ring Current Effects of π Clouds. Synthesis of Unusual Hydrocarbons. Dr. Reg Mitchell, Chemistry, University of Victoria. Room 126, Chemistry Building. 4:30 p.m.

Social Work Colloquium.

Children's Hearings in Scotland - The First Ten Years. John Waterhouse, Social Administration, University of Edinburgh. Lecture Hall A, Graham House. Cecil Green Park Rd. 7:30 p.m.

WEDNESDAY, DEC. 9

Pharmacology Seminar.

The Role of the Vascular Laboratory in Diagnosis. Dr. P.D. Fry, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Statistics Workshop.

Detecting the Effect of Increasing Carbon Dioxide on Climate and Plant Growth. Prof. Charles Cooper, Biology, San Diego State University. Room 214, Geography Building. 3:30 p.m.

Biophysics Seminar.

Immune System Network Theory. Prof. G.W. Hoffmann, Physics and Microbiology, UBC. Room 201, Hennings Building. 4 p.m.

THURSDAY, DEC. 10

Medical Grand Rounds.

Donald G. Bates will give the address. Prof. Thomas Cotton will speak on the Medical Consequences of Nuclear War. Ground Floor Lecture Hall, Acute Care Unit, UBC. 12 noon.

University Choral Union with the UBC Symphony Orchestra.

Ein Deutsches Requiem by Brahms, directed by James Fankhauser. Old Auditorium. 12:30 p.m.

Anthropology and Sociology Colloquium.

Ethnicity and Interpersonal Relations: Experimental and Applied Research. Martha Foschi and Merry Wood, Anthropology and Sociology, UBC. Rooms 207-209, Anthropology and Sociology Building. 12:30 p.m.

Physics Colloquium.

Galaxies, Quasars, and Gravitational Lenses. Prof. Robert C. Roeder, Physical Sciences Division, Scarborough College, University of Toronto. Room 201, Hennings Building. 4 p.m.

Physicians for Social Responsibility Lecture.

Dr. Donald Bates. The public is welcome. B Lecture Hall, VGH. 8 p.m.

FRIDAY, DEC. 11

Medical Genetics Seminar.

Vancouver/Seattle Exchange. No Rounds.

UBC Public Affairs.

Implications of the Federal Cutbacks in Health and Welfare Programs. Dr. Richard Splane, Social Work, UBC, with host Gerald Savory, UBC Centre for Continuing Education. Program will be repeated on Dec. 18 at 7:30 p.m. Channel 10, Vancouver Cablevision. 7:30 p.m.

University Choral Union with the UBC Symphony Orchestra.

Ein Deutsches Requiem by Brahms, directed by James Fankhauser. Old Auditorium. 8 p.m.

Notices . . .

Food Service Hours

Hours for food service facilities on campus during the Christmas season are as follows: Buchanan Snack Bar, Education Snack Bar and Ponderosa Snack Bar close Dec. 11; Auditorium Snack Bar closes Dec. 18; Barn Coffee Shop, I.R.C. Snack Bar close Dec. 22 - all facilities re-open Jan. 4. The Bus Stop Coffee Shop closes Dec. 22 and re-opens on Dec. 29.

Co-operative Education Programs

The Co-operative Education Programs in Engineering and Forestry are accepting applications from all interested students in Science I and transfer Ap.Sc.I and FRST I until Dec. 15. For more information, call 228-3022 or drop by Room 213 of Brock Hall.

AMS Gallery

The AMS Gallery, located in the Student Union Building, is presenting an exhibition of works by Don Chin, Ray Lorenz and Vivian Meyer, entitled *In Search of Pictor's Metamorphosis*. The exhibit runs until Dec. 4. Gallery hours are from 10 a.m. to 8 p.m. Monday through Friday. For more information, call V. Meyers at 736-3901.

Nitobe Garden Hours

From Nov. 9 to Feb. 28 the garden will be open from 10 a.m. to 3 p.m. on weekdays and will be closed weekends.

Asian Centre Exhibit

An exhibition of Asian kites will be on display at the Asian Centre from Nov. 16 to 30.

Museum of Anthropology

Exhibitions: The Legacy: Continuing Traditions of Canadian Northwest Coast Indian Art. Nov. 25, 1981 to Aug. 31, 1982; West Coast Graphics: Images of Change and Kwagiutl Graphics: Tradition in a New Medium, through until Dec. 31.

Guided Gallery Walks: gallery guides will introduce museum galleries to visitors. 2:30 p.m. on Thursdays.

Free Identification and Conservation Clinic: Nov. 24 from 7 to 8:30 p.m.

Snake in the Grass Moving Theatre: Clowns Garbanzo and Koko perform Sundays at 2 p.m. until Dec. 6.

The Cedar Tree: Uses of the Cedar tree demonstrated Sundays from 1 to 3 p.m. in the museum theatre.

Museum hours are noon to 9 p.m. on Tuesdays, noon to 5 p.m. Wednesdays through Sundays, and the museum is closed Mondays. For information on museum activities, please call 228-5087.



100.1 on cable fm

Wednesday, Nov. 25

3 p.m. *Still Ain't Satisfied*. Linda Reid produces this show which looks into contemporary women's issues.

Thursday, Nov. 26

3 p.m. *Cross Currents*. A look at consumer and environmental issues.

5 p.m. *Thunderbird Sports Report*. A look at the upcoming T-Bird basketball teams.

Friday, Nov. 27

3 p.m. *Dateline International*. Trends in Japanese business. Produced by Rob Simms; written by Dan Tidball.

Saturday, Nov. 28

3 p.m. *Behind Four Walls*. A look at the rental housing market in Vancouver with an

emphasis on student issues. Produced by Ian Timberlake.

4:30 p.m. *Making Waves*. Paul Kaihla talks to Barbara Frumm and Peter C. Newman about the media in Canada.

Sunday, Nov. 29

4:30 p.m. *Laughing Matters*. Jerry Eberts and Joe March take a lighter look at war. Features Bob Newhart, Jonathan Winters, W.C. Fields, and Eddie Cantor.

Monday, Nov. 30

3 p.m. *Melting Pot*. Joe March talks to UBC Poultry Science Department head Dr. Darrell Bragg about egg cholesterol and the fallacies associated with it.

7 p.m. *Off Beat*. A comic roundup of the week's off-beat news.

Tuesday, Dec. 1

3 p.m. *Gay Issues*. Produced by the Gay People of UBC.

5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sport at UBC.

9 p.m. *Airstage*. Radio drama written by students of UBC's Creative Writing department. Produced by Joe March and the CITR players.

Wednesday, Dec. 2

3 p.m. *Still Ain't Satisfied*. A look at law careers for women.

Thursday, Dec. 3

3 p.m. *Cross Currents*. A look at the consumer and environmental issues.

5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sport at UBC.

Friday, Dec. 4

3 p.m. *Dateline International*. International affairs in focus.

Saturday, Dec. 5

3 p.m. *Behind Four Walls*. A look at housing as it affects the UBC student.

Sunday, Dec. 6

2:30 p.m. *Laughing Matters*. A documentary series looking at the history of recorded comedy.

Monday, Dec. 7

3 p.m. *The Melting Pot*. Harry Hertscheg talks to UBC Geography graduate student Tony Charles about his research into B.C. fisheries.

4:30 p.m. *Making Waves*. Issues of concern to the UBC community.

7 p.m. *Off Beat*. A comic roundup of the week's off-beat news.

Tuesday, Dec. 8

3 p.m. *Gay Issues*. Produced by the Gay People of UBC.

5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sport at UBC.

9 p.m. *Airstage*. Radio drama produced by Joe March and the CITR players. Written by students of UBC's Creative Writing department.

Wednesday, Dec. 9

3 p.m. *Still Ain't Satisfied*. Christmas Blues for single parents.

Thursday, Dec. 10

3 p.m. *Cross Currents*. Consumer and environmental issues in focus.

5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sport at UBC.

Friday, Dec. 11

3 p.m. *Dateline International*. International Affairs are the focus of this show produced by Dan Tidball.

Saturday, Dec. 12

3 p.m. *Behind Four Walls*. Housing and the UBC student.

Sunday, Dec. 13

2:30 p.m. *Laughing Matters*. A documentary series looking at the history of recorded comedy.

Monday, Dec. 14

3 p.m. *The Melting Pot*. Mike Mines talks to UBC professor of Sports Medicine Dr. Doug Clements about the joys of jogging.

4:30 p.m. *Making Waves*. Issues of concern to the UBC community.

7 p.m. *Off Beat*. A comic roundup of the week's off-beat news.

Tuesday, Dec. 15

3 p.m. *Gay Issues*. Produced by the Gay People of UBC.

5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sports at UBC.

9 p.m. *Airstage*. Radio drama produced by Joe March and the CITR players. Written by students of UBC's Creative Writing department.

NEW AWARDS

The following student awards were approved by the UBC Senate at its last meeting. In certain instances, the initial award will not be available in the current academic year.

Borch Scholarship in Theatre - A scholarship in the amount of \$800 has been made available by Mr. Gerald Borch, B.A. 1969. The award will be made to a student entering the final undergraduate year in the Department of Theatre, and demonstrating professional potential. The award will be made on the recommendation of the department.

Intramural Administrator Award - An award consisting of a prize in the amount of \$150 and a plaque has been made available by George Mapson to recognize outstanding contributions to the administrative support of the Intramural program. The recipient will be recommended by the Director of the Intramural-Recreational Sports Program.

Intramural Unit Manager Award - An award consisting of a prize in the amount of \$150 and a plaque has been made available by George Mapson to recognize the outstanding Unit Manager in each of the men's and women's Intramural programs. The recipients will be selected by the Director of the Intramural-Recreational Sports Program in consultation with the respective Unit Managers.

I.P. Sharp Associates Limited Scholarship - A scholarship of \$1,000 is offered annually to a student completing second year with a demonstrated interest in Computer Science and high standing in Science courses. The award will be made on the recommendation of the Department of Computer Science. The winner will receive an offer of employment from I.P. Sharp Associates Limited for the summer following completion of the student's third year. (Available 1982/83.)

UBC Reports is published every second Wednesday by Information Services, UBC, 6328 Memorial Road, Vancouver, B.C., V6T 1W5. Telephone 228-3151. Al Hunter, editor. Lorie Chortyk, calendar editor. Jim Banham, contributing editor.

