

UBC REPORTS

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February 17, 1982

Increase in fees helps research, Library

The impact of retrenchment will fall a little less heavily on UBC's Research Committee and on the Library and Computing Centre as the result of recommendations made to President

Douglas Kenny by the Senate Budget Committee.

The committee has recommended that \$435,100, which will result from an increase in student fees in 1982-83,

be divided as follows: Research Committee grants (humanities and social sciences) — \$200,000; Library — \$185,000; and Computing Centre — \$50,100.

In a report on its activities to be presented to Senate tonight (Wednesday, Feb. 17), the committee says its intention was to reinstate 50 per cent of the research funds previously available in the humanities and social sciences area, "on the ground that replacement funds are not available from external funding agencies" and that "research grants are basic to the maintenance of a high level of academic achievement in the University."

As for the library, the committee says, "our recommendation would reduce the assessment by about one-third of this vital resource that serves the entire University."

The effect of the recommendations, which will be implemented by UBC's



UBC's child care facilities at Acadia Camp have been threatened with closure because the 40-year-old army huts are a fire hazard. Renovating them or replacing them would cost about \$1 million, but government policy is "no money for child care facilities."

Child care centres face closure order

Barring a change in government policy or the emergence of a million-dollar benefactor, UBC's child care centres will be closed because they are a fire hazard.

Although he has yet to set a date on a closure order, Fire Chief H.A. Crawford of the University Endowment Lands Fire Department has given the University three choices: make the centres conform with fire safety regulations, build a new centre or centres, or close the centres down.

The cost of either renovating the centres or replacing them would be about the same — \$1 million.

But the Universities Council says child care facilities don't qualify for funding through the Education Institution Capital Finance Act.

Borrowing under the act has been a major source of funds for UBC construction during the past four or five years. The University, in effect, obtains the funds by issuing a debenture to the government under terms which assure that the

government will in turn provide the funds to meet the interest and sinking fund payments. These debt servicing funds are separate from the annual operating grant.

Although talks have been held (the most recent just a week ago) between UBC president Douglas Kenny and Human Resources Minister Grace McCarthy, to date there has been no indication of a relaxing of government policy.

Prof. Nathan Divinsky, head of the president's advisory committee on child care, remains confident that the problem can be resolved.

"We can't have a 'University city' of 30,000 with no child care facilities," he said. "Surely the combined wisdom of University leaders and government leaders can produce a solution."

Fire Chief Crawford, after an inspection of nine child care centres in Acadia Camp, said the buildings fail to meet B.C. Fire Code regulations in five areas — construction, fire alarm system, flame spread ratings, exits,

and access for firefighters.

A UEL Fire Department safety report notes that there are serious deficiencies in all the areas listed.

Chief Crawford says that because of the wide use of plywood in the buildings, "a fire is likely to spread at such a rate that the life-safety of the occupants would be endangered before the arrival of the fire department."

The buildings are army huts from the Second World War, all about 40 years old.

Most of the 250 youngsters being cared for are children of UBC students, who pay from \$220 to \$315 a month for the service, depending upon age of the child and which centre he or she attends. Each centre is an independent unit, some staffed only by professionals and others using a combination of professionals and volunteers.

A report prepared by Physical Plant notes that the minimum cost to

Where it came from

A 32.8 per cent tuition fee increase, approved by UBC's Board of Governors and endorsed by the Senate Budget Committee, will bring an additional \$5.1 million next year. Of this additional income, \$921,000 will be spent on increased student aid, \$1.96 million will go to offset inflation and the remaining \$2.27 million will help with the University's shortfall of \$7.48 million. President Kenny's advisory committee on fiscal retrenchment, which reported in mid-January, put forward two proposals on tuition fees, alternative one calling for a 29.5 per cent increase and alternative two suggesting 32.8. The committee noted that if alternative two was approved, then additional funds of \$435,100 would be available to help with the \$7.48 million shortfall. It recommends that this sum be used to reduce non-faculty budget assessments, with special consideration for the Library, research committee and the Computing Centre.

administration in the 1982-83 operating budget, is to restore to UBC's research committee some funds for support of work in the humanities and social sciences. In its report released in mid-January, the President's Advisory Committee on Fiscal Retrenchment proposed the elimination of the research committee's entire budget of \$1 million.

The allocation of \$185,000 to the Library means that the assessment of \$564,000 proposed in the retrenchment committee's report will be reduced to \$379,000. The

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Retrenchment

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Computing Centre's assessment will be reduced by \$50,100 from \$290,000 to \$239,900.

In reviewing its recent activities, the Senate Budget Committee says it also studied details of the specific budget reductions and their academic impact as reported by the deans to President Kenny.

The committee says it established that the recommended assessments against faculty budgets "are based on the mixed criteria of academic judgment and the availability of budget items that could be removed within the constraints noted... in the retrenchment report.

"The assessments (which total \$1,927,500) are distributed in a way that is designed to inflict as little damage as possible on the academic work of the respective faculties," the committee says in its report to Senate.

The budget committee then goes on to express special concern for budget cuts in three faculties — Agricultural Sciences, Arts and Education.

Agricultural Sciences (hit with an assessment of \$80,200 by the retrenchment committee) "found it necessary to propose the deletion of the entire faculty travel budget (\$4,500)," the budget committee says, adding that "we hope that it will be possible for the president to restore this line item in the 1982-83 budget."

The budget committee has also recommended to President Kenny that consideration be given to providing relief for the Faculty of Arts and in particular to the School of Social Work, "which would otherwise be losing a crucial senior position."

The committee also recommends that the president try to provide relief in next year's budget for the Faculty of Education, "and in particular to the School of Physical Education for a position in the developing field of sports medicine."

The final section of the budget committee's report to Senate deals with the sources of retrenchment funds on a faculty-by-faculty basis. (See table below.)

These reductions, the committee comments, will have "serious

consequences throughout the University. There will be reductions in support staff (secretaries, technicians, etc.) in all faculties; there will be the elimination of a significant number of unfilled faculty positions (including vacancies created by retirement and resignation).

"While there will be reductions in teaching assistance and supplies and expenses, the bulk of the retrenchment will be in the reduction of faculty and non-faculty positions."

Preliminary indications, the committee continues, are that retrenchment against the following faculties can be interpreted as being approximately equivalent to: 1.5 faculty and 2 support staff positions in Agricultural Sciences; 14 faculty, 2 support staff and 22 TA positions in Arts; 8 faculty and 2 support staff positions in Education; 4 faculty and 4 support staff positions in Medicine; and 6 faculty, 2.5 support staff and 15 TA positions in Science.

Also proposed are an expansion of the terms of reference of the Senate Budget Committee and an enlargement of the committee's size.

At present, the University Act empowers the committee "to meet with the president and assist him in the preparation of the university budget."

The committee proposes that its terms of reference be expanded "to make recommendations to the president and to report to Senate concerning academic planning as they relate to the preparation of the University budget."

The same motion asks that the Senate Nominating Committee propose additional members to enlarge the budget committee in consultation with it.

The Senate Budget Committee is chaired by Prof. Geoffrey Scudder, head of the Department of Zoology. Other members are Barry Coulson, a student representative on Senate from the Faculty of Commerce; Prof. John Dennison, Education; Prof. Donald Fields, Commerce; Dr. W.M. Keenlyside, a Convocation member of Senate; and Dr. Jon Wisenthal of the Department of English.

Sources of Retrenchment Funds

	Faculty Positions	Staff Positions	Contingency Funds	Supplies & Expenses	Teaching Assistance
Agricultural Sciences	x	x	x	x	x
Applied Science	x	x		x	x
Arts	x	x			x
Commerce	x	x			
Dentistry	x	x		x	
Education	x	x			
Forestry		x			
Graduate Studies	x	x			
Health Sciences		x			
Law		x		x	
Medicine	x	x			
Pharmaceutical Sciences		x			
Science	x	x	x	x	x

Saigon artist gives exhibition at UBC

In 1979 Canada opened its door to Vietnamese boat people and the city of Vancouver gained an outstanding artist, Mr. Tan Son Hia.

On Saturday, Feb. 27, and Sunday, Feb. 28, the Institute of Asian Research at UBC and Hadassah of Vancouver will co-sponsor an exhibition and sale of Mr. Tan's work at the UBC Asian Centre.

The 45-year-old artist took formal training in Chinese painting at the National Art School in Saigon, and was an established artist in his homeland and internationally before his departure from Vietnam.

It was his skill as an artist that prompted Canadian Immigration officials in the Philippines to recommend that Mr. Tan and his family be allowed to settle in Canada.

After spending time in a refugee camp, Mr. Tan arrived in Vancouver and got a job glass cutting to support himself and his family while attending daily classes in English. He is now back making his living as a painter of Chinese art. The exhibit at the Asian Centre will be his first major exhibition in Vancouver. More than 100 items will be on display, and the paintings will reflect a wide variety of styles of Chinese art, beginning chronologically in the Five Dynasties period (late 10th century) up to modern times. Mr. Tan's work

includes early flower and bird paintings to landscape realism.

The exhibition takes place from 7 to 10 p.m. on Feb. 27 and from 2 to 8 p.m. on Feb. 28. On both days, Mr. Tan will be on hand to demonstrate the delicate art of Chinese painting.

All items will be for sale and 20 per cent of the sale price will be tax deductible as it is going to charity. Admission to the exhibition is free and there will be a raffle held for several of Mr. Tan's works.

Socred MLAs to spend a day at UBC

Social Credit Members of the Legislative Assembly will spend Feb. 24 at the University of British Columbia.

The MLAs will have lunch with students from their constituencies in the Place Vanier cafeteria, and then will attend workshops in the Asian Centre or tour the campus.

Later in the afternoon, the Social Credit MLAs will meet with UBC president Douglas Kenny. B.C.'s New Democrat MLAs visited the University on Oct. 16.

Child care

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upgrade the buildings would be \$950,000. "This cost does not include upgrading the general condition of the buildings so we would still be left with unsightly buildings needing roof repair and other similar work."

The report says cost of a new building would be about \$1.15 million.

A UBC staff member who is herself a graduate of the University had high praise for the child care facilities in a note to *UBC Reports*. Her daughter spends her mornings at one of the co-operative centres.

She comments: "It's important to have your child in a day care close to where you are during the day. If there's an accident, or he or she gets sick suddenly, you can be there in a matter of minutes, and that's reassuring..."

"The day cares out here have a reputation for attracting and keeping well-qualified staff. From what I've seen, they're good with the children and have lots of ideas for keeping them busy and stimulated. They do things with them that you might not do at home — finger painting, collage, group singing with instruments, gymnastics — things that are more fun for the kids to do with others."

"The social contact is also really good for the children at an early age because they learn that they're not the centre of the universe... With people having fewer children, and only children becoming more common,

group situations such as those that day care offers become very important.

"On the importance of day care to parents, not staying at home with your children isn't nearly the social taboo that it once was. Thank goodness for that."

"Careers and schooling don't have to come to a screeching halt when children are born now. Good for you, not so good for the children, some people would say. But if we ensure day care has a high enough priority in our society, if we provide stimulating care, clean and safe environments, then it is good for the children as well."

"And it's good for society, because you don't have half your adult citizens stuck at home unable to use their training or develop their potential."

The UBC centres provide care for children in the age groups 18 months to 3 years, 3 years to 5 years, and also offer after-school care. There are no facilities for infant care, although there are many requests for such care.

Maureen Molloy, child care co-ordinator, said there is no big waiting list for the 3, 4 and 5-year olds, but "we could use twice the space we have for the under threes."

Of the 248 children at the Acadia Camp centres this year, 147 are children of students, 41 are children of faculty, 34 are children of staff, and 26 have no direct UBC affiliation.

CAMPUS PEOPLE

Dr. Ken Carty, an assistant professor in UBC's Department of Political Science, has been appointed director of the Legislative Assembly's internship program. The Legislative Internship Program allows ten recent graduates of B.C. universities to go into legislature and work with MLAs.



Prof. Martha Foschi of the anthropology and sociology department has received an international collaborative research grant from the Social Sciences and Humanities Research Council of Canada. She will work with Prof. Margaret Foddy of the psychology department of La Trobe University in Melbourne on how standards for performance affect the attribution of abilities in interpersonal relations. Experimental work on this topic will be conducted at UBC and La Trobe between March, 1982 and August, 1983. Prof. Foddy received her Ph.D. in sociology from UBC in 1975.



Joanne Stan, an assistant professor and head of the division of occupational therapy in UBC's School of Rehabilitation Medicine; became president of the Canadian Association of Occupational Therapists in January, 1982.



Three representatives from UBC attended a meeting in Ottawa earlier this month to discuss ideas on gerontology which may go to the UN World Assembly on Aging, being held this summer in Vienna. Dr. Mary Hill, an associate professor in the School of Social Work, Dr. Clyde Slade of UBC's Family Practice Unit and Jeanette Auger, a graduate student in sociology whose thesis area is gerontology, were among 100 people who attended the meeting sponsored by the federal government. There were ten representatives in total from B.C.

More money for Canadian studies

Increased emphasis on Canadian studies will be the primary result of a recent announcement that the federal government has approved \$11 million in new funding for the Social Sciences and Humanities Research Council of Canada (SSHRC).

Communications minister Francis Fox said recently that SSHRC will receive an additional \$1 million in the 1981-82 fiscal year and an additional \$5 million in each of the next two fiscal years.

The effect of the increase is to increase the SSHRC's total grants budget from \$46.6 million in 1981-82 to \$56.7 million in 1982-83.

The increased federal funding falls short of a proposal by SSHRC, which originally asked for an increase of \$25 million over the next five years to parallel increases approved for the Natural Sciences and Engineering Research Council and the Medical Research Council.

In announcing the increase in

Open House 'something special'

Everyone will be foot-sore and mind-wobbled and perhaps a little damp if it happens to rain.

Dry of dripping, Open House this year is shaping up into something special.

Visitors will be treated to a gamut

of information, research, mental titillations, hands-on demonstrations, performances and fun.

Explanations of the Polish Solidarity movement, lectures on what's wrong with creationism, a view of sunflares and planets through the University's

latest light telescope, Reggae music, student debates, Greek tragedy in the original, a trial during which visitors become the jury, a tour of the TRIUMF cyclotron project, backstage at the Freddy Wood Theatre, student written plays performed at the Old Freddy Wood (bet you don't know where it is), a stock exchange linked to a downtown brokerage house, Chinese music, Indian dancing, Vancouver dialects and satellite imagery of Vancouver will all be part of this year's Open House.

There'll be demonstrations of plasma, nuclear, low temperature bio and astrophysics. Not to mention the latest in cancer research and cloning — two important research breakthroughs in the Wesbrook Building, jazz, a star clock, TELIDON, legal advice, black holes, the red tide and shift, and of course, the Leidenfrost effect.

For something completely different English comedian John Cleese will explain on film how to chair a meeting, conduct interviews and make decisions.

For visitors geographically disoriented and mentally confused there's Eliza, the computerized psychiatrist.

For visitors weary in mind and body there'll be a free swim in the Aquatic Centre. The Nitobe Garden and Museum of Anthropology will also be open free of charge.

Hosts this year are the five faculties at the north end of the campus — Arts, Commerce and Business Administration, Education, Law and Science.

Friday, March 12, will be devoted visits from schools. Programs are being sent to all high school and regional college counsellors in the province.

Hours on Friday are 10 a.m. to 4 p.m. The general public will be invited on Saturday, March 13, from 10 a.m. to 10 p.m.

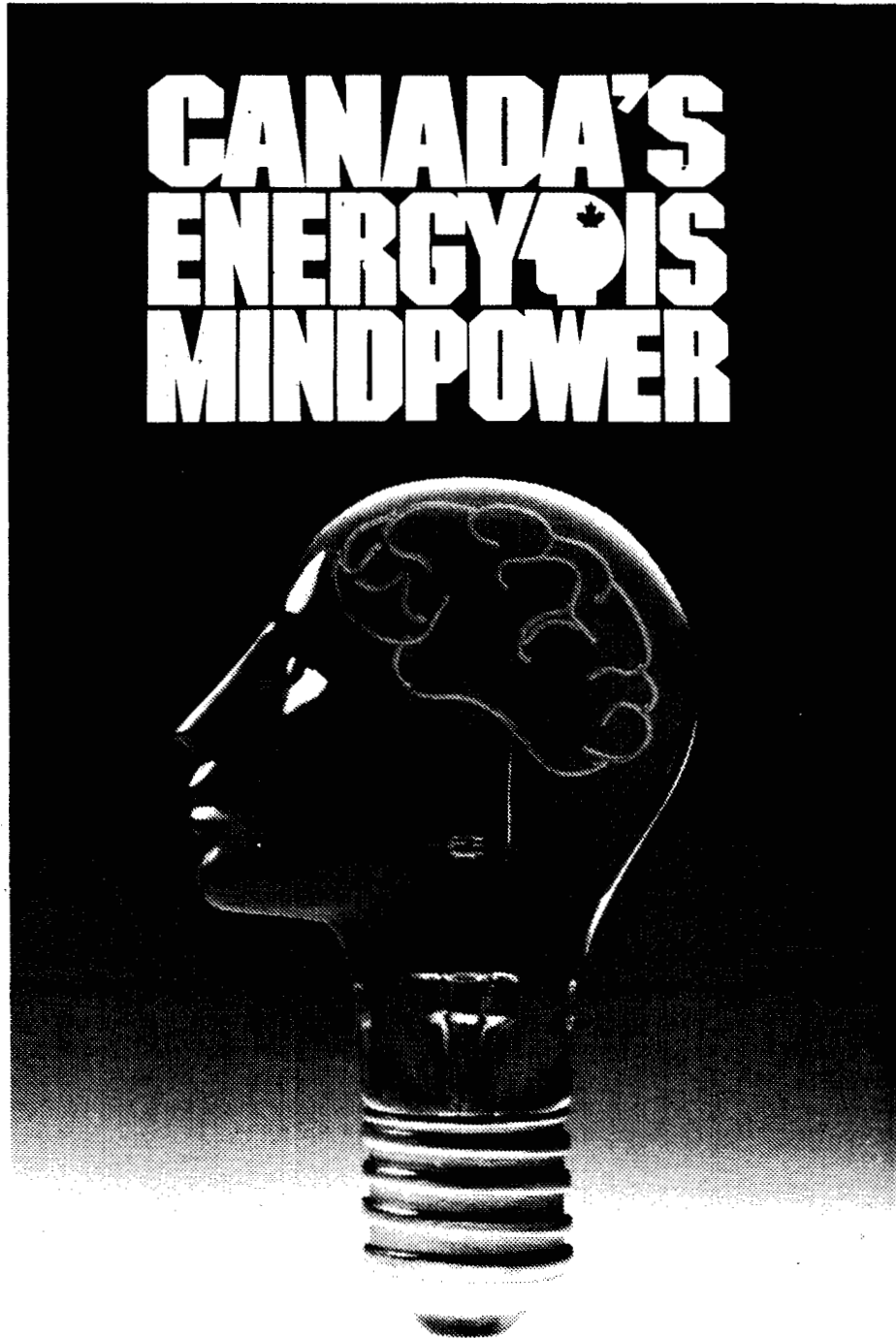
UBC is a huge community with an abundance of things happening. Open House isn't simply for the off-campus community. It's an opportunity for the University community to find out about itself. The vast majority of the UBC community doesn't know what is going on in buildings they pass every day but never enter.

Was C.P. Snow right? Is there an irreconcilable split in the outlook and literacy of humanists and scientists? Is it true that secret research is taking place in an underground laboratory? Have you suspected that arts people are quantitatively helpless?

For science people who think epistemology is the study of fish or who suffer under the grotesque social handicap of thinking that synecdoche is a substitute for sugar, here's your chance to put yourself right.

And for arts people living under the egregious assumption that a retort is a clever comeback or a Dewar flask something you carry in your back pocket, or that Disaccharides was a minor character in *The Symposium* — the possibility of redemption.

A four-page program on Open House will be included in the next issue of *UBC Reports*.



funding for SSHRC, Mr. Fox said the additional money "responds to the need, often expressed by the research community and the government, to support research in Canadian studies, to fill the gaps in our research of Canada in all its social, cultural, economic and political complexity."

The minister went on to emphasize that support for "independent research" would be sustained by the SSHRC.

Under the heading of "Support for Independent Research," the SSHRC will increase grants for Canadian studies from \$9 million in 1981-82 to \$10.22 million in 1982-83. Council support for fellowships and research which does not fall under the Canadian studies rubric will not be increased above 1981-82 levels in the next fiscal year.

Under the heading of "Strategic Grants," the council will significantly increase support for research in three

"theme" areas — aging of the Canadian population (up from \$880,000 in 1981-82 to \$1.2 million in 1982-83), the family and socialization of children (increased to \$680,000 from \$395,000), and the human context of science and technology (to be more than doubled from \$324,000 to \$682,000).

The council will also initiate planning for two other theme areas — Native studies and women in the work world, which will be funded in future years.

"Area studies" which will receive increased grants under the strategic studies heading include management research development, which aids management studies experts in Canadian universities to upgrade their research skills; research support for small Canadian regional universities; and research resources and tools, which assists in the preparation of funding aids for materials in Canadian libraries and archives.

Lecturing in China hot work

Prof. T.R. Parsons (oceanography) was invited by Shandong College of Oceanology and Xiamen University to lecture in China under the "B.C./P.R.C. Academic Exchange Program." He was also invited by the University of Tsukuba to lecture at a number of universities in Japan under the program "Scientific Cooperation between the National Research Council and the Japan Society for the Promotion of Science." The following are a few impressions of these two experiences.

Shandong College of Oceanology is located in Qingdao in buildings which were constructed during German occupation at the turn of the century. Hence the facility is both old and not entirely suited as China's principal oceanographic school.

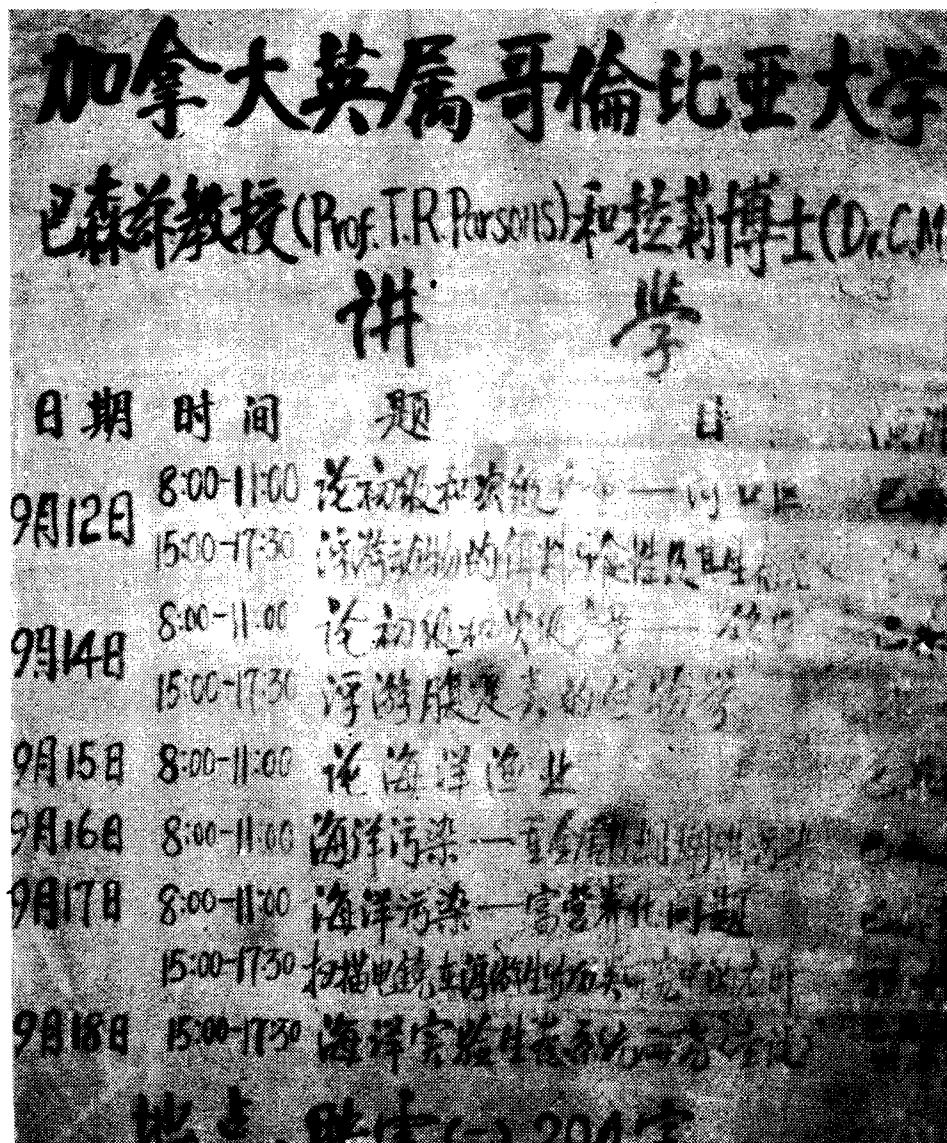
However, the location of Qingdao on the shores of the Yellow Sea, together with its excellent port facility greatly benefit the students who frequently go to sea on board the "Dang Fang Hong" ("The East is Red") — a 3000-ton modern research vessel.

Teaching at the college with my wife, Dr. Lalli, consisted of two lectures per day — the first from 8 to 11:30 a.m. and the second from 3:30 to 5 p.m., five days a week. This was a strenuous effort considering that the temperature during August was generally over 32°C and the only air conditioning was a small Chinese fan which I learned to use with one hand while writing on the board with the other.

The very attentive audience consisted of young professors and lecturers from a number of universities and laboratories in China, most of whom had suffered from a complete lack of oceanographic training during the Cultural Revolution (ca 1968/1978). On weekends our hosts entertained us with various excursions into the country and with a number of banquets. Scientists were most friendly out on a number of occasions we were completely surrounded by a hundred or more curious onlookers. A visit to the local beach in Qingdao, for example, became quite impossible as we were quickly surrounded by Chinese whose rivalry for a closer look resulted in our having to seek refuge in our hotel where Chinese nationals were not allowed to enter without proper permission.

In Xiamen, which used to be called Amoy, there has been even less contact with foreigners since its proximity to Taiwan kept it out of bounds until quite recently. Xiamen University was built after liberation in 1949 and was a gift to the people of China from a wealthy overseas Chinese businessman. Once again we were greeted with as much hospitality as the local economy could afford but living conditions, with regard to the cleanliness of rooms and highly vegetarian food, were in no way comparable to even some of the cheaper accommodations in North America.

Scientifically, Chinese oceanographers are anxious to learn but are at present far behind in terms of laboratory equipment, computers, and most large scale oceanographic facilities with the exception of ships. The effort being



Prof. T.R. Parsons of UBC gets feature billing in Chinese poster.

expended on 'catching up' is commendable but over-centralized control of education, including required political courses, appear as impediments to scientific development.

By total contrast in terms of equipment and all kinds of oceanographic facilities, the Japanese have much more logistic support than the average Canadian scientist. At eight universities visited from Hakodate in the north to Nagasaki in the south, one cannot fail to be impressed by the richness of laboratory equipment, ocean monitoring facilities and the availability of computers to handle the vast amounts of data being gathered.

Apart from a regular series of lectures, I was invited also to give a personal lecture to the Emperor and a second to the Crown Prince. Both the Emperor and the Crown Prince are well known marine biologists and their

avid interest in the subject was manifested by lengthy question periods which followed both presentations.

Having visited Japan 12 years ago as senior scientist on board the first Canadian research ship to make a trans-Pacific cruise, I can attest to a remarkable advancement in their understanding of ocean processes during the past decade.

In the 1970s Japan's technical ability to catch more fish than any other country was already well known; in the 1980s Japanese scientists probably understand more about why fish are abundant in the oceans than we do in North America. It is that understanding, which has been achieved over the past decade, that has put them in an enviable position relative to some fisheries management still practised in our own country, where the oceanographic basis for this important resource is often ignored.

Excursion offered by museum

If the idea of adding some culture to your life (with a 137-foot yacht trip thrown into the bargain) appeals to you, keep May 22 to June 1 free on your calendar.

The Museum of Anthropology is offering "People of the Raven" — a cultural excursion to the Queen Charlotte Islands aboard the yacht Norsal.

Participants will visit Kwagiutl museums at Cape Mudge and Alert Bay and travel to the famous sites of Tanu, Cumshewa, Skedans and Anthony Island.

Resource personnel on the trip will be Dr. Harry Hawthorn, UBC professor emeritus, and his wife Audrey. Prof. Hawthorn was the first

anthropologist appointed to the University faculty and was the founder and first head of the Department of Anthropology and Sociology at UBC. He also served as director of the Museum of Anthropology from 1947 to 1974.

Mrs. Hawthorn was appointed the first curator of the museum in 1949 and is still one of the museum's curators, although she is currently on leave of absence.

Because of limited accommodation, registration for the excursion will be restricted to 11 people, but the 11 spaces must be filled. For more information, call the museum at 228-5087.

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).

April 1

- Hannah Institute — Fellowships.
- Hannah Institute — Grants-in-Aid.
- IMASCO-CDC Research Foundation — Research Grant.
- MRC: Awards Program — MRC Fellowship.
- MRC: Special Programs — INSRM/MRC Exchange.
- MRC: Special Programs — Symposia and Workshops.
- Multiple Sclerosis Society of Canada — Career Development Grants.
- Multiple Sclerosis Society of Canada — Post-doctoral Fellowships.
- Multiple Sclerosis Society of Canada — Research Grant.
- Multiple Sclerosis Society of Canada — Research Studentships.
- SSHRC: Research Grants Division — Major Editorial Grant.

April 10

- University of British Columbia — UBC-SSHRC Travel Grant.

April 15

- Canada Council: Writing and Publication — Translation Grant.
- Health and Welfare Canada: Welfare — National Welfare Grant.
- Health and Welfare Canada — National Welfare: Manpower Utilization Grant.
- Health and Welfare Canada — National Welfare: Research Group Development.
- Health and Welfare Canada — National Welfare: Senior Research Fellowship.
- Health and Welfare Canada — National Welfare: Visiting Professorship.
- March of Dimes Birth Defects (U.S.) Foundation — Reproductive Hazards in the Workplace.
- Secretary of State — Canadian Ethnic Studies Program: Professorships.
- Secretary of State — Canadian Ethnic Studies: Research.

April 16

- Ontario Economic Council — Contract Research in Manpower and Education.

April 30

- Canada Mortgage and Housing Corporation — Research Grants Type A (to \$2,500).
- MacMillan, H.R. Estate — Native People and Northern Canada Trust.

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

'Technology won't solve our problems'

The following letter, slightly edited for publication, was written by Prof. William Nicholls, head of the Department of Religious Studies, to UBC's president, Dr. Douglas Kenny, and to Dr. Leslie Peterson, Q.C., chairman of the Board of Governors, in the fall of 1981.

I am appalled by the apparently well-founded rumors that the provincial government is urging the universities of this province to put technical and professional education on the highest priority. Given the present under-funding of universities as a whole, this could only be done by a re-allocation of resources from the traditional centres of academic activity, the faculties of arts and of science.

I will not comment here on the wisdom of that general under-funding, which belongs in a political and economic context, rather than an academic one. What is far more troubling in the long run is the wish to influence academic priorities to suit the supposed needs of society, together with the underlying assumption that it is the function of the university to meet those needs as identified by persons outside the university, whether in government or elsewhere.

In the present case, it is extremely alarming to find pressure (or even mere influence) being exercised to move the university farther in the direction of technology and technologically-oriented professionalism, and thereby away from its traditional humanistic orientation. This is certainly not the moment to do that, just when many people are becoming aware that our worship of the idol of technology has already become extremely damaging to human values and to human beings, and possibly dangerous to the continuance of human life on this planet.

Technology made Auschwitz and Hiroshima possible; it has done nothing to make their repetition improbable. Technology has shown no signs of capacity to right the increasing imbalance between rich and poor nations. A social science which increasingly takes the technological style of thinking as its model has not produced the semblance of an answer to inflation and unemployment, to violence in our cities, to human degradation through drug misuse, or to the unbelievably high abortion rate,

Last day of classes April 7, not April 2

The type gremlins were at work last year when the section of the official UBC Calendar that lists key dates in the academic year was made up.

As a result, Friday, April 2 is listed as the last day of classes for most faculties.

That's wrong.

The last day of classes for most faculties is Wednesday, April 7, two days before the long Easter weekend begins.

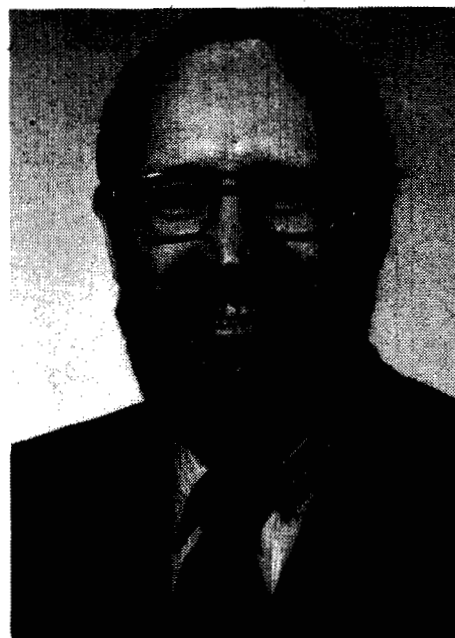
Exams for some students in the Faculty of Dentistry will begin on Thursday, April 8, but for most students exams will begin on Tuesday, April 13 and continue until Friday, April 30.

which is itself the outcome of a depersonalized sexual scene that brings far more misery than joy to young people.

None of these facts suggests that technology is bad, or that we should revert to the Middle Ages. They, and others like them, do raise the possibility that more and better technology will not lead to a better life for human beings. Such problems of our society are transparently not due to lack of technology or professionalism. They are much more probably the outcome of a deficiency in wisdom and compassion, which by its nature technology is unable to put right, because it neither possesses nor is able to inculcate these human qualities.

If, as many critically-minded people now believe, our society has become mesmerized by technology, to the detriment of such values, it is not the time for the University to pour even more of its resources into such a leaky vessel.

The nature of the university is at stake here. It is not our business to meet the needs of society as perceived by it, nor to reinforce it in a direction in which it is already going, even if that direction may be disasterously mistaken. Certainly society needs technical and professional education. In the past, these functions were provided for outside the university,



William Nicholls

and were certainly never allowed to distort the university's own pursuit of truth, whether in pure science or in the humanistic disciplines.

Society needs criticism as well as reinforcement. In a free society, it has been widely understood that the main function of the university was to provide a secure place for the disinterested pursuit of truth as well as knowledge.

To put it bluntly, it was tacitly at

least understood that society needs for its own health to pay some people to tell it what it doesn't want to hear. If that function of the university in society is allowed to disappear under economic pressures and technological obsessions, it is not clear who will discharge it. In a totalitarian society, it is clear that the function of the university is to support the ruling ideology, Fascist, Communist, Islamic or military. In a free society such as ours, on the other hand, the university should not be immune from criticisms or deaf to suggestions; but there should be no doubt in anyone's mind that its responsibility is to truth, not social needs.

If this kind of pressure, however, well-intentioned, is not withstood, not only will the nature of the university be changed, perhaps beyond recovery in our time, but society will lose an institution that has played a vital part in keeping it free and humane. In that case, not only will the university cease to be worth working for, but our society will no longer be worth belonging to.

Wm. Nicholls,
Professor and Head,
Department of Religious Studies.

4 campus Telidon terminals installed

Telidon — a revolutionary new interactive information retrieval system — is now available to students and faculty of UBC.

Four telidon terminals are now located at:

- The UN Centre for Human Settlements, 4th floor, Library Processing Centre, 2206 East Mall (telephone 228-5095)
- The Fine Arts Library, Architecture and Planning Division, Main Library (228-4959)
- Architecture Reading Room, Schools of Architecture and Community and Regional Planning, Lasserre Building (228-3046)
- Off-Campus Program Office, Faculty of Forestry (228-3546)

The terminals have been positioned by B.C. Tel on the basis of the UN Centre for Human Settlements' participation in the Canada-wide field trials organized by the federal Department of Communications (DOC) and provincial telephone utilities, scheduled to run through June, 1982.

In addition to UNCHS, participants in the B.C. field trials include the provincial Ministries of Communications, Consumer and Corporate Affairs, Economic Development, Health, Tourism, Transportation and Highways, Statistics Canada, City of Vancouver, Vancouver Community College, BCIT, Vancouver Public Library, Vancouver Museum, Greater Vancouver Information and Referral Service, the Bank of British Columbia, Vancouver City Savings, Council of Forest Industries and major retail outlets such as Woodward's, Kelly's and Video Zone.

For the purpose of the field trials

approximately 6,000 telidon terminals have been deployed across Canada, with more than 125 in Vancouver and Victoria. Terminals are typically located in public places, libraries, government and commercial offices, hotels and shopping malls.

Individual data bases are produced by participating organizations, while any terminal can access all data bases in the system, and to an increasing extent extraprovincially.

"Insofar as our information deals with human settlement issues, our clientele tends to be academics and professionals working in human settlements, educational institutions, governments or non-government agencies," explains Jim Carney, North American information officer for UNCHS.

"Our data base will describe the objectives of UNCHS, its program and operations, information sources available in terms of publications, reports, bibliographies, films, current

issues in human settlements, the dimensions of the human settlement problem and so forth.

"Other organizations will be providing other kinds of information, from weather to stockmarket quotations, to the availability of government services, and retail information."

Mr. Carney stressed that the existing data bases are still evolving and are largely experimental.

"The technology itself is proven. DOC and B.C. Tel are now testing its application, that is, what kinds of information users want, how it should be organized and formatted to facilitate access, what the operational costs of on-line systems will be in the real world, and how these costs can best be allocated between users and providers."

There is no charge for users during the field trials. For further information contact UNCHS, 2206 East Mall, UBC Campus, 228-5095.

Top speaker will earn \$200

If you like the idea of getting paid \$200 for a five-minute speech, sign up for the second annual UBC Public Speaking Contest, being held March 11.

The contest is open to all undergraduate and graduate fulltime students, with prizes of \$200 for first place, \$75 for second and \$25 for third.

The speech must be a biography, five to seven minutes in length. Contestants will be judged on content, organization, logic, credibility, presentation, style and delivery.

The contest will be held in Lecture Hall 1 of the Woodward Instructional Resources Centre from 7:30 to 10 p.m. You can register by calling Dr. Ralph Yorsh at 876-5131.

Full program for Women's Week at UBC

Next week is Women's Week at UBC, and this year's focus will be on women in science and technology.

The events, which take place Feb. 23-26, are sponsored by the AMS Women's Committee, and committee member Alex Brett says one of the purposes in focusing on women in science is to encourage women who are interested in scientific fields that they are no longer entering 'forbidden territory'.

Here's the line-up of events for the week:

On Tuesday, Feb. 23 at 12:30 p.m. there will be a panel discussion on 'Abortion in the Light of New Technology: Medical and Ethical Perspectives' in Room 2000 of the Biological Sciences Building. At 8 p.m. Tuesday, Dr. David Suzuki will speak on 'The Impact of Science in the '80s: A Challenge for Universities' in Lecture Hall 2 of the Woodward Instructional Resources Centre.

On Wednesday, Feb. 24 there will be a 30-minute video tape on 'Women and Power in the Nuclear Age' in the concourse of SUB at 11:30 a.m. At 12:30 p.m. Dr. Meredith Kimble, SFU, will speak on 'How Expectations and Stereotypes Influence Research' in Room 211 of SUB. At 4 p.m. there will be a bluegrass band in Room 205 of SUB (admission is \$1) and at 7:30 p.m. there will be a talk on 'Nuclear Power and Weapons: the Abuse of Technology' in Room 205 of SUB by the Women Against Nuclear Power.

On Thursday, Feb. 25, Dr. Margaret Benston, SFU, will speak on 'Feminism and the Science Establishment' at 12:30 p.m. in Room 207/209 of SUB. At 7 p.m. in the upper lounge of International House there will be a panel discussion on 'Women in the Scientific Community: Techniques for Survival and Success'. There will be a wine and cheese reception following the panel discussion (upper lounge, International House) at 8:30 p.m. A poster display entitled 'Yes Virginia, there are women scientists at UBC (well a few)' will be on view in the concourse of SUB on Thursday.

On Friday, Feb. 26, the Committee of Women's Action on Occupational Health will present 'Office Automation: How it Affects Workers' Jobs and Health - Video Display Terminal' in Room 207/209 of SUB at 12:30 p.m. At 8 p.m., Dr. Judy Smith, Northwest Women's Studies Association, Women and Technology Project, will speak on 'Empowering Women: Feminist Perspective on Science and Technology'. The lecture will be held in Lecture Hall 6 of the Woodward Instructional Resources Centre. Admission is \$1.50.

How are women faring in the sciences at UBC? To mark Women's Week at the University, *UBC Reports* talked to three women faculty members in mathematics, geology and physics to find out.

Dr. Mary Barnes, an assistant professor of geological sciences, says the number of women enrolled in undergraduate and graduate work in her department is growing rapidly.

"Women made up almost ten per cent of the 1981 graduating class in geology, and three out of the eight graduates (37.5 per cent) at the master's level were women."

Dr. Barnes says she's seen a dramatic change in the number of

female geologists since she's been at the University. "I remember walking across to the office block of the Geological Sciences Building a few years ago, and someone passed me and I stopped in my tracks. Then I realized the reason I had been taken by surprise was because the other person was a woman. The situation's certainly changed since then."

Dr. Barnes began her career as an organic chemist, but became interested in the role that organic matter played in geological environments. This prompted her to move into the area of geochemistry, a new field that is having a major influence on the choice of sites for petroleum exploration. Because this area of study is so new, Dr. Barnes spends most of her time doing research and teaching individual lectures on the subject in various geology and engineering courses.

Dr. Barnes notes that all the women who graduated with Ph.D. degrees in geology from UBC in the past ten years are employed at universities and in corporations in positions commensurate with their education.

"Something that has been beneficial to women graduates in recent years is the fact that Prof. Hugh Greenwood (head of the geological sciences department) has made it clear to companies that use space in our building each year to interview prospective employees that they must be willing to interview female students as well as male students. Some companies have been reluctant to do this in the past.

"I think there's a lot of options open to women in geology now," says Dr. Barnes. "And each time one woman realizes her own goals in this field, she makes it a little bit easier for the next women coming behind her."

Dr. Priscilla Greenwood, an associate professor in the mathematics department, says the percentage of women students in her department is low.

"I think what happens is that some women see there's not very many other women in the field and they get discouraged. But I think if a woman is determined to become a mathematician, the fact that the field is dominated by men won't stop her.

"Women have to have a dedication to mathematics in order to succeed - there are a lot of people who can only imagine men working in math. But the women who are determined to succeed are the ones who will make it."

Dr. Greenwood says there is a higher enrolment of women in math courses in first and second years.

"Some of them go into computing and other areas of science. By fourth year, math enrolment is almost totally made up of male students.

"I think women are getting more encouragement in high schools now to enter scientific fields such as math. This may change the situation in our department."

Dr. Greenwood attended the University of Wisconsin at Madison, Duke University in North Carolina, and M.I.T. for her undergraduate and graduate studies.

"Mathematics has a lot of rewards to offer people who stick with it. It is very adaptable in that you don't need a lab, so you can do your work almost anywhere. There are also a lot of opportunities for travelling in the profession. There may be avenues of study that seem easier at the time for women, but the rewards are worth it."

Dr. Betty Howard, an assistant professor of physics, says the number of women in her field is increasing, but at a slow pace.

"There are a lot of women students in first-year physics, and generally they do better than male students, but after first year we never see most of them again.

"I can't really understand it myself. I can't see why more women aren't challenged to find out what makes things work. The women we do have in physics usually do very well."

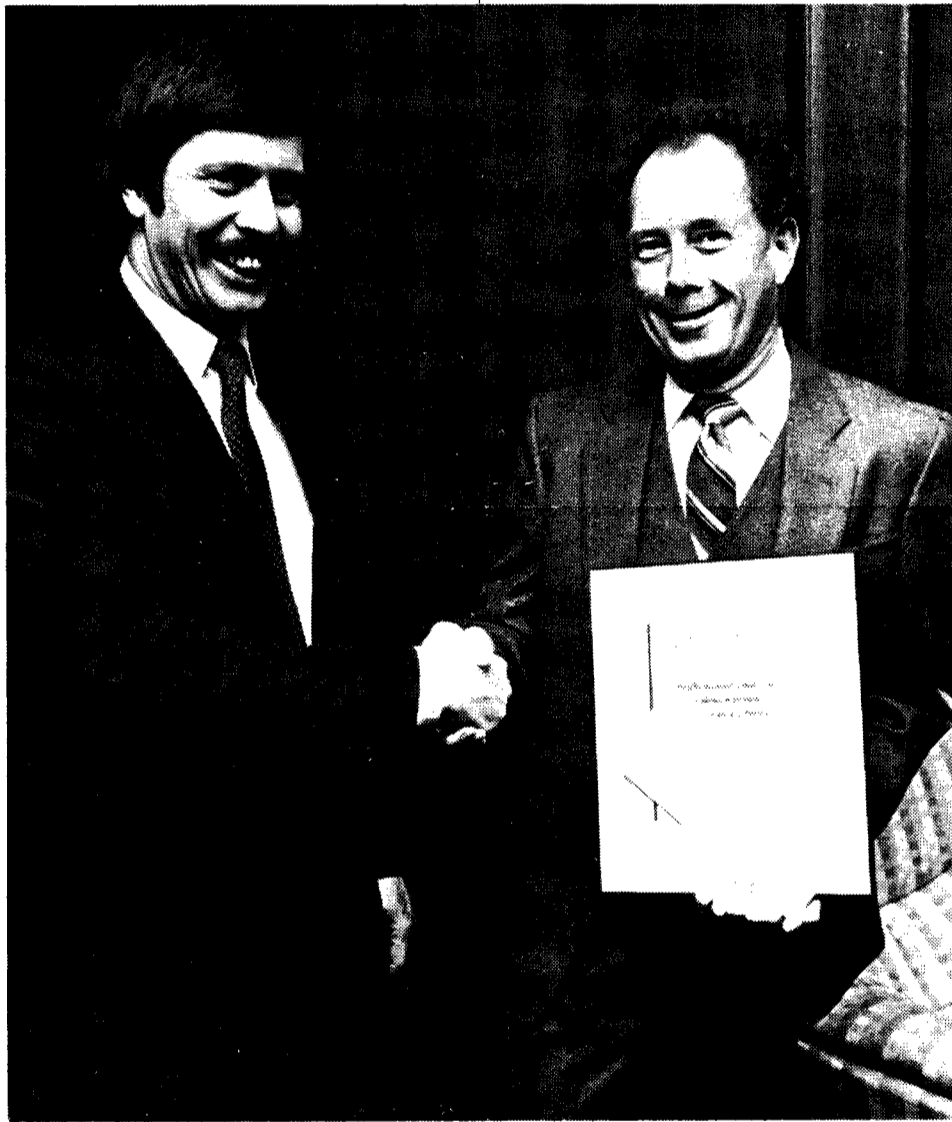
Dr. Howard attended Royal Holloway College of London University for undergraduate studies and Oxford University for her Ph.D. "I was the only woman in physics, but it didn't really bother me. I never felt that I wasn't accepted."

She did research from 1944-46 at Oxford University for the atomic energy project in Britain, and later focused her attention on research in low temperature physics.

Most of Dr. Howard's teaching duties at UBC involve first-year students. "I really enjoy teaching first-year physics because it was this stage of learning that I found most exciting when I was at school."

She stresses that although there may not be a lot of jobs available in the area of pure physics, employment opportunities are extremely good in the field of geophysics, biophysics and computer sciences.

"I'd love to see more women students in physics," says Dr. Howard. "It's evident from the grades in the first- and second-year courses that they have the ability."



Prof. Glen Moir, right, of UBC's Faculty of Pharmaceutical Sciences received the Canadian Society of Hospital Pharmacists Ortho Award at the society's annual awards night recently. The award, which was presented to Prof. Moir by Dr. Laurence Russ, vice-president, research and development, of Ortho Pharmaceutical (Canada) Ltd., recognizes the recipient's outstanding achievement in hospital pharmacy practice.

If sky clear, try the 'scope

If tonight (Wednesday) is clear, this is your chance to look at the winter sky through the new 40cm telescope atop the Geophysics and Astronomy building.

Wednesdays, from 7 to 11 p.m., are reserved for open observing by UBC staff, faculty and students.

The same hours on Saturday nights are for the general public.

At these times an astronomer will be on hand to supervise the operation

and explain what is being looked at. The building is the one with the two white domes on the roof, at 2219 Main Mall.

The large telescope has space for 30 people at one time. Overflow can be taken by the 30cm telescope, smaller scopes and slide shows.

Curator David Vogt emphasizes that the telescopes are open only on clear nights, which means cloud cover of less than 30 per cent.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of March 7 and March 14, material must be submitted not later than 4 p.m. on Feb. 25. Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.

Saturday, Feb. 20
Land Use in B.C. — An Ecological Perspective. Prof. Bert Brink, Plant Science, UBC.

Saturday, Feb. 27
Dal Grauer Memorial Lecture. Recent Challenges to Keynesian Economic Policies. Prof. Lawrence Klein, Economics, University of Pennsylvania.

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



SUNDAY, FEB. 21

Music Recital.
Guest artist Pawel Checinski, piano. Recital Hall, Music Building. 8 p.m.

MONDAY, FEB. 22

Ohira Fund Visiting Lecture.
The Jin Site, Niigata Prefecture, and the Incipient Jomon. Prof. Tatsu Kobayashi, Archeology, Kokugakuin University, Tokyo. Room 203, Anthropology and Sociology Building. 9:30 a.m.

Asian Studies Lecture.
Chinese Literature Since 1949. Prof. Cyril Birch, Oriental Languages, University of California. Distinguished Visitors Program. Room 204, Buchanan Building. 12:30 p.m.

Asian Studies Seminar.
Xi Shi on Stage and in the Closet. Prof. Cyril Birch, Oriental Languages, University of California. Distinguished Visitors Program. Room 3223, Buchanan Building. 3:30 p.m.

Mechanical Engineering Seminar.
A Broadly Useful Equation of State for Heavy Water. Dr. P.G. Hill, head, Mechanical Engineering, UBC. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Ohira Fund Visiting Lecture.
Settlement in the Jomon Period. Prof. Tatsu Kobayashi, Archeology, Kokugakuin University, Tokyo. Room 604, Asian Centre. 3:30 p.m.

Applied Mathematics Seminar.
Polyhedral Flames — An Exercise in Bimodal Bifurcation Analysis. Prof. John Buckmaster, Mathematics, UBC. Room 104, Mathematics Building. 3:45 p.m.

Physiology Seminar.
Experimental Approaches to the Study of Nerve Muscle Interactions. Dr. T. Gordon, J.A.F. Stevenson Visiting Professor, Pharmacology, University of Alberta. Room 2605, D. Harold Copp Building. 4:30 p.m.

Faculty Recital.
Music of Stravinsky. Dale Reubart and Robert Rogers, piano. Recital Hall, Music Building. 8 p.m.

TUESDAY, FEB. 23

Asian Studies Lecture.
Ming Drama. Prof. Cyril Birch, Oriental Languages, University of California. Distinguished Visitors Program. Room 204, Buchanan Building. 11:30 a.m.

Human Settlements Video Program.
Spaceship Earth: Video program on role of technology in tomorrow's world. Consequences of who controls technology and impact on the Third World. Room 313, Library Processing Building. 12:30 p.m.

Hillel House.
Faculty Discussion Group — Jacob Neusner's "Stranger at Home." Hillel House. 12:30 p.m.

Classics Lecture.
The Greatest Engineering Feat of the Ancient World: Siphons in Roman Aqueducts. Prof. A. Trevor Hodge, Classics, Carleton University. Room 104, Lasserre Building. 12:30 p.m.

Forestry Seminar.
13 Years of Darkwoods Forestry — History and Experiences of a Private Forest Administration. H. Tschechne, Darkwoods Forestry Ltd. Room 166, MacMillan Building. 12:30 p.m.

Botany Seminar.
The Evolution of Pasture Communities. Dr. R. Turkington. Room 3219, Biological Sciences Building. 12:30 p.m.

Freeze Film Series.

The More Abundant Life, the last in the series with the general title America, A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Resume Clinic.
Pat Hagerman of the Canadian Employment Centre will speak on how to prepare resumes and other topics related to job hunting. Applications for Computer Science Students Society's Employment Program will be done at this time. All students welcome, but Employment Program is only for Computer Science and Commerce-Computer Science students. Room 200, Computer Sciences Building. 1 p.m.

Agriculture Presentation.
Agriculture on Main Street. Dr. Clay Gilson, president, Agricultural Institute of Canada. Sponsored by the Agriculture Undergraduate Society and the B.C. Farm Writers. Room 166, MacMillan Building. 3 p.m.

Oceanography Seminar.
Ocean Heat Transport. Dr. Harry Bryden, Oceanography, University of Washington. Room 1465, Biological Sciences Building. 3:30 p.m.

English Colloquium.
Genre and Gender: Some Problems for Feminist Criticism. Pat Merivale and Lorraine Weir. Penthouse, Buchanan Building. 3:45 p.m.

Psychology Lecture.
The Mind of the Child. Prof. John H. Flavell, Stanford University. Room 104, Buchanan Building. 4 p.m.

Biomembranes Discussion Group Seminar.
Purple Membrane Structure. Dr. D. Engelman, Molecular Biophysics, Yale University. Lecture Hall 5, Woodward Instructional Resources Centre. 4 p.m.

Chemistry Seminar.
Reactivity of Metal-Metal Bonds Illustrated by Some Aspects of the Chemistry of Dimolybdenum and Ditungsten-Containing Compounds. Prof. Malcolm Chisholm, Chemistry, Indiana University. 4:30 p.m.

WEDNESDAY, FEB. 24

B'Nai B'rith Women.
Free lunch. Hillel House. 11:30 a.m.

Pharmacology Seminar.
The Role of Persistent Virus Infections in Human Disease. Dr. Aubrey Tingle, Paediatrics, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Simulation and Modelling in Science.
Biological Morphogenesis: What Do You Say to an Experimentalist? Dr. Lionel Harrison, Chemistry, UBC. Room 103, Mathematics Building. 12:30 p.m.

Wednesday Noon-Hour Concert.
Verdehr Trio. Walter Verdehr, violin; Elsa Ledewig-Verdehr, clarinet; and Gary Kirkpatrick, piano. Recital Hall, Music Building. 12:30 p.m.

Anatomy Seminar.
Glycosylation of the Cell Surface: Relationship to IgA Production in Primary Murine Mammary Cell Culture. Dr. Sigrid E. Myrdal, Biochemistry, Emory University, Atlanta, Ga. Co-sponsored by the Cell Biology Society of Vancouver. Room 37, Anatomy Building. 12:30 p.m.

History, Political Science and Institute of International Relations Lecture.

Can the Churches Play a Role in International Affairs? Rt. Rev. Lois Wilson, Moderator of the United Church of Canada. Room 100, Buchanan Building. 12:30 p.m.

Asian Studies Lecture.
Ming Fiction. Prof. Cyril Birch, Oriental Languages, University of California. Distinguished Visitors Program. Room 204, Buchanan Building. 12:30 p.m.

Hewitt Bostock Memorial Lecture.
Arthur Honneger: The Origins of His Style. Prof. Kurt von Fischer, director, Musicology, University of Zurich, Switzerland. Room 400B, Music Building. 3:30 p.m.

Statistics Workshop.
Examples of Sequential Allocation of a Learning Sample For Bernoulli Populations. Murray Clayton, Applied Statistics, University of Minnesota. Room 258, Geography Building. 3:30 p.m.

Asian Studies Seminar.
Interpreting the Red Chamber Dream. Prof. Cyril Birch, Oriental Languages, University of California. Distinguished Visitors Program. Room 3223, Buchanan Building. 3:30 p.m.

Geophysics and Astronomy Seminar.

Dr. Bill Scott's seminar has been cancelled.

Animal Resource Ecology Seminar.
A Conceptual Revolution in Fisheries Biology: Why Larkin, Ricker, Walters, Lindsey, and the Northern Hemisphere Fisheries Establishment Are All Wrong. Bob Gauldie, Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Physiology Seminar.
The Nature of Trophism Between Motor Nerves and Skeletal Muscle. Dr. T. Gordon, J.A.F. Stevenson Visiting Professor, Pharmacology, University of Alberta. Lecture Hall 3, Woodward Instructional Resources Centre. 4:30 p.m.

Museum Lecture.
Is the Renaissance Really a Renaissance: Is the Legacy Really a Legacy? Dialogue by artists Bill Reid, Robert Davidson, Tony Hunt and anthropologist George MacDonald. Admission is \$1.50 at the door (Museum members \$1). Museum of Anthropology. 7:30 p.m.

THURSDAY, FEB. 25

UBC Contemporary Players.
Stravinsky Anniversary Concert. Eugene Wilson and Stephen Chatman, co-directors. Recital Hall, Music Building. 12:30 p.m.

Dal Grauer Memorial Lecture.
International Co-ordination of Economic Policy. Lawrence Klein, Benjamin Franklin Professor of Economics, University of Pennsylvania, and 1980 Nobel Prize Winner. Room 106, Buchanan Building. 12:30 p.m.

Hewitt Bostock Memorial Lecture.
Claude Debussy and the Climate of 'Art Nouveau'. Prof. Kurt von Fischer, director, Musicology, University of Zurich, Switzerland. Room 113, Music Building. 12:30 p.m.

Zionist Seminar.
Sponsored by the North American Jewish Students Network. Hillel House. 12:30 p.m.

Human Settlements Video Program.
The Other Way — E.F. Schumacker examines the uses of intermediate technology in this video program. Room 313, Library Processing Building. 12:30 noon.

Women in Architecture.
A panel discussion sponsored by the Women Students' Office. Panelists will be representing various aspects of the architectural world — building design, environmental design and project planning. For further information, call 228-4172. Room 223, Brock Hall. 12:30 p.m.

World University Services of Canada.
Elements of Survival, People, part of a film series on Third World Development. Room 205, Buchanan Building. 12:30 p.m.

Asian Centre Inaugural Year Slide-Show.
Evolution of Indian Architecture. Prof. Vinod Modi, Mechanical Engineering, UBC. Room 102, Lasserre Building. 12:30 p.m.

Essay Skills Workshop.
Nancy Horsman of the Women Students' Office will give three one-hour workshops to assist students increase their skills in preparation of essays. They will be held Feb. 25, March 5 and March 12. For information, call 228-2415. Room 301, Brock Hall. 12:30 p.m.

Oku Lecture.
Dental Education and Research in the People's Republic of China. Dr. S. Wah Leung, professor of Oral Biology and Co-ordinator of the UBC Chinese Scholars Program. Lecture Hall 4, Woodward Instructional Resources Centre. 1:15 p.m.

Condensed Matter Seminar.
Critical Phenomena of the Superfluid Transition in Liquid ⁴He. Pierre Hohenberg, Bell Telephone Laboratories. Room 318, Hennings Building. 2:30 p.m.

Civil Engineering Seminar.
The Evolution and Modern Development of Steel Bridges. Dr. C.B. Godfrey, CONSTRADO, U.K. Room 1212, Civil and Mechanical Engineering Building. 3:30 p.m.

Psychology Colloquium.
Development of the Appearance-Reality Distinction in the Young Child. Prof. John H. Flavell, Stanford University. Room 100, Buchanan Building. 4 p.m.

Kit Malkin Memorial Lecture.
Buoyancy in Nature. Dr. Peter Ward, Geology, University of California, Davis. Sponsored by the UBC Department of Zoology. Room 2000, Biological Sciences Building. 4:30 p.m.

Sigma Xi Club Meeting.
Technology and Literature. Dr. Ian Slater, Applied Science, UBC. Salons B and C, Faculty Club. 4:30 p.m.

SUB Films.

Outland. Continues on Friday, Feb. 26 and Saturday, Feb. 27 at 7 and 9:30 p.m. and on Sunday, Feb. 28 at 7 p.m. Admission is \$1. Auditorium, Student Union Building. 7 p.m.

Leon Ladner Lecture.
The Implications of a Civil Code Revision in Quebec. Prof. Paul-Andre Crepeau, O.C., Q.C., Wainwright Professor of Civil Law, McGill University. Rooms 101-102, Law Building. 8 p.m.

FRIDAY, FEB. 26

Developmental Medicine Seminar.
Studies in Ovulation Induction. Dr. Basil Ho Yuen, Obstetrics and Gynecology, UBC. First Floor Seminar Room, Willow Pavilion, VGH. 12:30 p.m.

Recital-Jury.
Song Literature and Accompanying Class. Gwendolyn Koldofsky, visiting artist-teacher. Recital Hall, Music Building. 12:30 p.m.

Medical Genetics Seminar.
Persistent Viral Infections. Dr. A.J. Tingle, Immunology, UBC. Fourth Floor Conference Room, Health Centre for Children, VGH. 1 p.m.

Champion Volleyball Tournament.
UBC hosts the Canada West, University Athletic Association's Championship Volleyball Tournament. The Universities of B.C., Alberta, Saskatchewan, Calgary, Lethbridge and Victoria will compete in round robin action. Admission is \$2; \$1 for students, AMS students admitted free. Continues on Saturday, Feb. 27 from 11 a.m. to 8 p.m. War Memorial Gymnasium. 3 to 8 p.m.

Geological Sciences Lecture.
Creation of Vancouver Island. Dr. Peter Ward, University of California, Davis. Room 330A, Geological Sciences Building. 3:30 p.m.

Linguistics Colloquium.
The Historical Development of the Maricopa Verb: How to Complicate Your Grammar While Simplifying Your Sentences. Lynn Gordon, Linguistics, Washington State University. Room 2230, Buchanan Building. 3:30 p.m.

Chemical Engineering Seminar.
Reverse Osmosis Treatment of Wastewater Trickling Filter. F. Menwei and R. Wong. Room 206, Chemical Engineering Building. 3:30 p.m.

UBC Bahai Club.
Coffeehouse. Room 205, Student Union Building. 4:30 p.m.

International House.
Pot-Luck Supper. For information, call 228-5021. International House. 6 p.m.

UBC Contemporary Players.
Eugene Wilson and Stephen Chatman, co-directors. Recital Hall, Music Building. 8 p.m.

SATURDAY, FEB. 27

Ending the Arms Race: A Canadian Perspective.

A symposium sponsored by UBC students for peace and mutual disarmament. Tickets and information are available at the AMS Box Office. Lecture Hall 6, Woodward Instructional Resources Centre. 9 a.m. to 5 p.m.

Faculty Recital.
Paul Douglas, flute; Hans-Karl Piltz, viola; with guests Valerie Galvin, soprano; and Ross Carstairs, flute; Audrey Nodwell, cello; and Suzanne Gibson, harpsichord, members of the Vancouver Baroque Ensemble. Recital Hall, Music Building. 8 p.m.

SUNDAY, FEB. 28

Faculty Recital.
Music of Desenclos, Creston, Ibert and Karg-Elert. David Branter, saxophone, and Denella Sing, piano. Recital Hall, Music Building. 2:30 p.m.

Chinese Art Lecture.
How to Collect Chinese Art. Wang Ch'i-ch'ien. Sponsored by the Museum of Anthropology, the Institute of Asian Research and the fine arts department. Music Room, Asian Centre. 3 p.m.

MONDAY, MARCH 1

Women's Studies Lecture.
Androgyny and Women Writers: from Virginia Woolf to Christa Wolf. Sheila Johnson, UBC. Room 204, Buchanan Building. 12:30 p.m.

History Lecture.
The Idea and Sentiment of Community: An Historical and Analytical Dimension. Prof. Lionel Rothkrug, History, Concordia University. Sponsored by The Committee on Lectures. Penthouse, Buchanan Building. 12:30 p.m.

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UBC CALENDAR continued from page 7

History Seminar.

Humpty Dumpty Had a Great Fall: Original Sin and the Origins of the French Revolution. Prof. Lionel Rothkrug, History, Concordia University. Sponsored by The Committee on Lectures. Room 2230, Buchanan Building. 3:30 p.m.

Mechanical Engineering Seminar.

The Identification of Hazards During Engineering Design and in Production Units. Dr. R.E. Knowlton, Chematics International Ltd. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

On Spurious Solutions of Singular Perturbation Problems. Prof. Charles G. Lange, Mathematics, University of California, Los Angeles. Room 104, Mathematics Building. 3:45 p.m.

Astronomy Seminar.

Observing the Radio Sun with the Very Large Array. Dr. M.R. Kundu, Astronomy Program, University of Maryland. Room 318, Hennings Building. 4 p.m.

Hillel House Film.

Not a Love Story. Documentary on the Impact of Pornography. Hillel House. 7:30 p.m.

TUESDAY, MARCH 2

Human Settlements Film.

Chairs for Lovers. In this film Vancouver architect Stanley King demonstrates a method of public participation in urban design. Room 313, Library Processing Building. 12:30 p.m.

Hannah Lectures in the History of Medicine.

Controversy, Authority and the Market for Science in Post-Revolutionary France: Cuvier's Conflicts with Lamarch, Gall and Naturphilosophie. Dr. Dorinda Outram, Royal Holloway College, University of London. Lecture Hall 4, Woodward Instructional Resources Centre. 12:30 p.m.

Botany Seminar.

Physiological and Molecular Controls of Wheat Embryogenesis. Dr. R. Quatrano, Oregon State University. Room 3219, Biological Sciences Building. 12:30 p.m.

Forestry Seminar.

Applications of X-ray Densitometry to Forestry. Marion Parker, Forintek. Room 166, MacMillan Building. 12:30 p.m.

Fine Arts Lecture.

From the Halls of Montezuma. Power and Magic in the Art of Motecuhzoma II. Dr. Marvin Cohodas, Fine Arts, UBC. Room 104, Lasserre Building. 12:30 p.m.

History Seminar.

The Ordeal of Vocation: The Paris Academy of Sciences in the Jacobin Terror, 1793-1795. Dr. Dorinda Outram, Royal Holloway College, University of London. Penthouse, Buchanan Building. 3:30 p.m.

Oceanography Seminar.

Plate Tectonics and Basalt Chemistry of the Explorer. Brian Cousens, M.Sc., Geology, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

Biomembranes Discussion Group Seminar.

Phospholipid Changes in Mast Cell-Mediated Release. Dr. B. Schellenberg, Pulmonary Research Unit, St. Paul's Hospital. Lecture Hall 5, Woodward Instructional Resources Centre. 4 p.m.

Chemistry Seminar.

Oxygen Reactions in Photochemical and Biological Systems. Prof. Christopher Foote, Chemistry, UCLA. Room 126, Chemistry Building. 4:30 p.m.

Canadian Meteorological and Oceanographic Society Lecture.

Numerical Models and Field Studies of Boundary-Layer Flow Over Low Hills. Dr. Peter Taylor. Room 239, Geography Building. 8 p.m.

WEDNESDAY, MARCH 3

Pharmacology Seminar.

The Primary Chemical Structure of Some Carbohydrate Antigens from *Klebsiella*. Dr. G. Dutton, Chemistry, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Hillel House.

Free lunch sponsored by The Hillel mothers. Call 224-4748 for information. Hillel House. 12 noon.

Political Science Lecture.

Science, Conscience and War. Dr. J. David Singer, University of Michigan, Ann Arbor. Room 106, Buchanan Building. 12:30 p.m.

Wednesday Noon-Hour Concert.

New Music for Recorder and Electronics. Peter Hannan, recorders and tape. Recital Hall, Music Building. 12:30 p.m.

Simulation and Modelling in Science.

A Theory of Fuzzy Psychophysical Judgement. Dr. Lawrence A. Ward, Psychology, UBC. Room 103, Mathematics Building. 12:30 p.m.

Anatomy Seminar.

Biomechanics of Overuse Running Injuries: The Role of Flexibility and Muscle Strength. Dr. J. Taunton, Sports Medicine Clinic, UBC. Room 37, Anatomy Building. 12:30 p.m.

Statistics Workshop.

Multiple Choice Tests. Prof. Elod Macskasy, Mathematics, UBC. Room 239, Geography Building. 3:30 p.m.

Geophysics and Astronomy Seminar.

Recent Results of Auroral Studies. Dr. D.J. McEwen, chairman, Institute of Space and Atmospheric Studies, University of Saskatchewan. Room 260, Geophysics and Astronomy Building. 4 p.m.

Animal Resource Ecology Seminar.

Spacing Behaviour and Life Cycles of Dragonflies. Dr. Robert Baker, Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

THURSDAY, MARCH 4

World University Services of Canada.

North China Factor, part of a film series on Third World Development. Room 205, Buchanan Building. 12:30 p.m.

E.S. Woodward Lecture.

Can Chronic Inflation Be Cured? Part One: Reaganomics: Chaos of Conflicting Ideologies. Prof. R. Robert Russell, director of C.V. Starr Center for Applied Economics at New York University. Room 100, Buchanan Building. 12:30 p.m.

Human Settlements Video Program.

Citizen Involvement. This video program looks at three differing examples of citizen participation in community decision-making. Room 313, Library Processing Building. 12:30 p.m.

Zionist Seminar.

Sponsored by The North American Jewish Students' Network. Hillel House. 12:30 p.m.

Political Science Lecture.

Freezing the Arms Race: An Immodest Proposal. Dr. J. David Singer, University of Michigan, Ann Arbor. Room 106, Buchanan Building. 12:30 p.m.

Faculty Association.

General Meeting. Room 100, Mathematics Building. 1 p.m.

Condensed Matter Seminar.

Supercurrents in Normal Metals. Douglas Finnemore, Iowa State University. Room 318, Hennings Building. 2:30 p.m.

Pharmacology Seminar.

Newer Aspects of Adrenergic Receptors and High Blood Pressure. Dr. W.A. Pettinger, director of Clinical Pharmacology and professor, Pharmacology and Internal Medicine, University of Texas Southwestern Medical School, Dallas. Lecture Hall 3, Woodward Instructional Resources Centre. 3:30 p.m.

SUB Films.

Gallipoli. Continues on Friday, March 5 and Saturday, March 6 at 7 and 9:30 p.m. and on Sunday, March 7 at 7 p.m. Admission is \$1. Auditorium, Student Union Building. 7 p.m.

FRIDAY, MARCH 5

UBC Chamber Singers.

Music of Brahms and Stravinsky directed by Cortland Hultberg. Recital Hall, Music Building. 12:30 p.m.

E.S. Woodward Lecture.

Can Chronic Inflation Be Cured? Part Two: Can Wage and Price Controls Work? Prof. R. Robert Russell, director of C.V. Starr Center for Applied Economics at New York University. Room 100, Buchanan Building. 12:30 p.m.

Political Science Seminar.

Correlates of War 1982: A Progress Report. Dr. J. David Singer, University of Michigan, Ann Arbor. Room 478, Buchanan Building. 3:30 p.m.

Medical Genetics Grand Rounds.

Graves Disease. Dr. G.E. Wilkins, Endocrinology, UBC. Fourth Floor Conference Room, Health Centre for Children, VGH. 1 p.m.

Linguistics Colloquium.

Analogy in Syntax. Masaru Kajita, Linguistics, UBC. Room 2230, Buchanan Building. 3:30 p.m.

Geological Sciences Seminar.

General Dynamics and Generation of Mudflows Produced by May 8, 1980 Eruption of Mt. St. Helens. Lee Fairchild, University of Washington. Room 330A, Geological Sciences Building. 3:30 p.m.

Chemical Engineering Seminar.

Adaptive Control of Heat Exchanger Scaling in Finned Tubes. C. Okorafor and R. Sheikholeslami. Room 206, Chemical Engineering Building. 3:30 p.m.

UBC Chamber Singers.

Music of Brahms and Stravinsky directed by Cortland Hultberg. Recital Hall, Music Building. 8 p.m.

Notices...

Fine Arts Exhibit

The Birth Symbol, an exhibition circulated by The Museum for Textiles in Toronto, will be on display at the UBC Fine Arts Gallery until Feb. 28.

Botanical Garden Lecture

Our apologies to the UBC Botanical Garden. The lecture by Allen Paterson listed in the last *UBC Calendar* in the daily events under Feb. 16 actually takes place on March 16. Information about the event will be repeated in the appropriate issue of *UBC Reports*.

Food Service Hours

During the Feb. 18 and 19 midterm break, the following food service outlets will be closed: Auditorium, Buchanan, Education and Ponderosa snack bars. The Barn Coffee Shop will be open from 7:45 a.m. to 3:45 p.m.; IRC will be open from 8 a.m. to 3:45 p.m.; Bustop will operate from 7:45 a.m. to 4 p.m.; and the Subway will be open from 7:30 a.m. to 7 p.m. on Thursday and from 7:30 a.m. to 4 p.m. on Friday. It will operate regular hours on Saturday and Sunday.

Poets from the Ukraine

Meet and discuss Ukrainian literature with three outstanding writers from the Ukraine: Michailo Stelmack, Petro Osadchuk and Igor Dzeverin. The event takes place on Feb. 20 at 2 p.m. at International House. For information, call 228-5707.

Blood Donor Clinic

There will be a blood donor clinic on Thursday, Feb. 25 in the conversation pit of the Student Union Building. Hours are 10 a.m. to 4 p.m.

Library Display

A display of Bolivian hats and textiles is on display in the display case, north wing of the Main Library. Continues until March 5.

Language Courses

Conversational French and Spanish courses begin Feb. 27. For information, call the Centre for Continuing Education at 228-2181, local 227.

Frederic Wood Theatre

The Frederic Wood Theatre is presenting *The Tragedy of King Lear* by William Shakespeare, Wednesday, March 3 through Saturday, March 13 (except Sunday). Tickets are \$6; \$4 for students and seniors. Curtain time is 8 p.m. For ticket information, call 228-2678 or drop by Room 207 of the Frederic Wood Theatre Building.

CITR

100.1 on cable fm

MONDAYS

12:30 p.m. — **Mini-Concert:** A spotlight on bands that have been or will be on CITR's playlist.
3 p.m. — **Melting Pot:** A feature on research at UBC.
4:30 p.m. — **Everything Stops For Tea:** Cultural Programming.
7 p.m. — **Offbeat:** The stranger side of the news, with reviews of cheap and/or sleazy entertainment, plus cynics corner.
8 p.m. — **Mini-Concert.**
9:30 p.m.-1 a.m. — **The Jazz Show:** with Shelley Freedman.
11 p.m. — **Final Vinyl:** A jazz album feature.

TUESDAYS

12:30 p.m. — **Mini-Concert.**
3 p.m. — **Coming Out on Campus:** A look at gay issues by the Gay People of UBC.
5 p.m. — **Thunderbird Report:** Campus sports report with Dino Falcone and Brenda Hughes.
6:15 p.m. — **Insight:** A focus on campus issues.
8 p.m. — **Mini-Concert.**
9 p.m. — **Airstage:** A radio drama written by local playwrights performed by the CITR players.
11 p.m. — **Final Vinyl:** A new album feature.

WEDNESDAYS

12:30 p.m. — **Mini-Concert.**
6:10 p.m. — **CITR's Weekly Editorial**
6:15 p.m.-9:30 p.m. — **Chimera:** David McDonagh spotlights local unknowns.
8 p.m. — **Mini-Concert.**
11 p.m. — **Final Vinyl:** A new album feature.

THURSDAYS

12:30 p.m. — **Mini-Concert.**
3 p.m. — **Cross-Currents:** A discussion of environmental, consumer, and other issues of public interest.
5 p.m. — **Thunderbird Report:** Campus sports, plus thundering Phil Kueber's weekly sports commentary.
6:15 p.m. — **Insight.**
8 p.m. — **Mini-Concert.**
11 p.m. — **Final Vinyl:** An imported album feature.

FRIDAYS

12:30 p.m. — **Mini-Concert.**
3 p.m. — **Dateline International:** World affairs with a campus perspective.
6:15 p.m. — **Campus Capsule:** Harry Herscheg reviews the week's events at UBC.
8 p.m. — **Mini-Concert.**
11 p.m. — **Final Vinyl:** The neglected album feature.

SATURDAYS

12:30 p.m. — **Mini-Concert.**
4:30 p.m. — **Stage and Screen:** Film and theatre reviews.
6-9:30 p.m. — **The Import Show:** with Terry McBride.
11 p.m. — **Final Vinyl:** The classic album feature.

SUNDAYS

8 a.m.-12 p.m. — **Music of Our Time:** Unusual, mostly modern, classical music, with John Oliver and Paris Simons.
12-2:30 p.m. — **The Folk Show:** with Lawrence Kootnikoff.
2:30-6 p.m. — **Rabble Without a Pause:** Steve Hendry gives a lunatic musical view of the world.
3 p.m. — **Laughing Matters:** A serious look at the history and content of recorded comedy.
6 p.m. — **The Richards Report:** Doug Richards gives a wrap-up of the past week's news.
11 p.m. — **Final Vinyl:** A feature of the number one album on CITR's playlist.

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