UBC Reports

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Engineering proposal goes back to Senate

UBC's Senate will be forced to consider for a second time a proposal to control enrolment in engineering programs in the Faculty of Applied Science following defeat of the proposal by the Board of Governors at its Oct. 6 meeting.

The enrolment-control proposal, passed at Senate's Sept. 16 meeting, will be back on the Senate agenda when it holds its regular October meeting tonight (Wednesday, Oct. 14).

The Faculty of Applied Science proposals called for a limitation of 450 students who would be admitted to first-year engineering in September, 1982, and a limitation of approximately 100 students who would be admitted from outside the faculty to the second-year engineering program.

The faculty told Senate a marked increase in enrolment for engineering programs (844 in 1973 to 1,744 this year) has "seriously impaired" the teaching programs in larger departments such as Civil, Electrical, Mechanical and Chemical Engineering.

"Paradoxically," the report says, "at a time when severe stresses are being felt by some departments, others are not using their resources to capacity. The maldistribution of students between programs results from the present complete freedom of choice as students enter second year."

One result of the enrolment-control proposal made by applied science would be that some students would not be able to enrol in their first-choice engineering program and would have to specialize in an alternative program in a department where resources are under-utilized.

The enrolment-control proposal was vigorously opposed by three members of the Board of Governors, including William L. Sauder, who said there were many empty classrooms at UBC in the 3:30-6:30 p.m. period. Faculty should be asked to add teaching hours to their week, he said.

He was supported by David G.A. McLean, who said that enrolment at UBC should not be curtailed artificially. He said the University had to look at all its resources and use them efficiently.

President Douglas Kenny told the Board that the aim of the applied science proposal was to ensure that the degrees awarded to graduating students were of high quality. He was supported by UBC faculty member Dr. Peter Pearse, who said the underlying issue in the proposal was the maintenance of academic standards.

Later in the meeting, Prof. Pearse suggested the Board should reflect on the division of powers between Board and Senate. Senate, he said, had come to the Board with a motion concerning academic quality and unless the Board had some suggestions for dealing with the problem in applied science, it would be inappropriate for the Board to refer the matter back to Senate. Dr. Pearse was supported by Prof. Hugh Greenwood.

After defeat of the enrolment-control proposal, Anthony Dickinson, a student member of the Board, moved that the proposal be referred back to Senate for further consideration.

On display until Oct. 31 at UBC's Fine Arts Gallery is the exhibition "Paintings of Imperial and Princely India." The 40 Indian miniature paintings being shown represent a range of styles which developed in India from the 16th to 18th centuries. The gallery is located in the basement of the Main Library, and is open from 10 a.m. to 5 p.m., Tuesday through Saturday.

Library, students get more money

UBC's Board of Governors has approved supplementary budget appropriations totalling $990,000 to provide additional financial aid to students and to bolster the UBC Library's acquisitions budget.

A $702,000 appropriation for the UBC Library is designed to offset the effects of inflation and the reduced purchasing power resulting from the devalued Canadian dollar.

The supplementary appropriation represents a 17.1 per cent increase in the Library's acquisitions budget, which will now total more than $3.6 million for the current year.

Acting Librarian Doug McInnes says the increase "puts the Library in pretty good shape" for purchases in the 1981-82 fiscal year. "Our first priority," he said, "is to restore the purchasing power for new books necessary for the teaching and research functions of the University."

He said a substantial percentage of the appropriation would be earmarked for research material in the humanities and social sciences, including the purchase of large sets of out-of-print material which is now appearing in non-print form such as microforms.

Despite the increases received by the Library for acquisitions in recent years, Mr. McInnes said, the cost of acquiring materials has been increasing at a faster rate than the University's annual operating grant.

He said the biggest problem faced by the Library is the escalating cost of serials, which increased 23 per cent in the last fiscal year. Serials valued at $150,000 were cancelled in the current year, he said, and it was anticipated that serials valued at $100,000 might have to be removed in the 1982-83 fiscal year.

Mr. McInnes emphasized that a decline in the University's purchasing power for new library materials affected off-campus users as well as the University community.

"The UBC Library is really a

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See Funds

Numbers were never our strongpoint

We goofed—twice.

In our Sept. 30 issue of *UBC Reports* we listed an incorrect phone number for the Knowledge Network, which moved to the campus on Oct. 5. If you want to contact the network offices, the correct number to call is 224-6511.

Also, several readers have pointed out to us that we had the wrong date on a photograph that appeared in the same issue.

The aerial view of the campus was not a 1925 view, as we stated, but had to be circa 1927-29.

The houses in the background of the photo convict us. The first house in the residential area of the University was not built until 1926.

SFU faculty settles, but UCBC can't go to gov't yet

Dr. Gibson said salary levels and tuition fees were not the same at all three universities and there would have to be extensive study before the UCBC could make a presentation to the provincial government regarding extra funding for 1981-82.

It will still be "some time yet" before UBC's request for an additional $7.2 million this year is forwarded to the provincial government from the Universities Council of B.C.

Dr. Bill Gibson, chairman of the council, said Monday that the 1982-83 UCBC budget must go to the government today (Wednesday, Oct. 14).

"Once that is out of the way, we can turn to the other question," Dr. Gibson said. "But it will be some time yet before we will be in a position to make a submission."

UBC's president, Dr. Douglas Kenny, asked the UCBC a month ago for an additional $7,236,450 to meet the shortfall in the University's annual operating budget resulting from an arbitration award to faculty of 18 per cent.

At that time, the faculty salaries at Simon Fraser University were also in arbitration, and Dr. Gibson said he could do nothing until the needs of all three universities were known.

The SFU decision came down last week, giving the Burnaby faculty a general increase of 13.8 per cent. Dr. Gibson said that would leave SFU close to $400,000 in the red.

At the University of Victoria, the general increase to faculty was 13.5 per cent.

Funds

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provincewide resource," he said, "and users at other B.C. institutions as well as those in industry and the professions suffer when our purchasing power declines."

A $288,000 appropriation by the Board for student aid will be used to increase the value of graduate fellowships in the 1982-83 fiscal year and to increase the number and value of awards to undergraduate students.

UBC's awards officer, Byron Hender, said $160,000 would be used to increase University graduate awards by about 15 per cent in 1982-83. Doctoral-level students currently get $8,000 annually (up from $6,500 last year), while master's-level students receive $7,200 (up from $6,000 last year).

The balance of the appropriation by the Board will be used to create a three-tier undergraduate awards program, with the top 3 per cent of students receiving $750, the next 2 per cent receiving $600 and the next 2 per cent receiving $250.

At present, the University operates a two-tier undergraduate scholarship program, with the top 5 per cent getting $500 and the next 2 per cent getting $250.

Memorial services to be held for Edro Signori

A memorial service for Prof. Edro Signori, a member of the UBC faculty for 32 years, will be held tomorrow (Thursday, Oct. 15) in the Music Building at 1:30 p.m.

Prof. Signori died on Oct. 2 at the age of 66.

A native of Calgary, Prof. Signori joined UBC's Department of Pyschology in 1949 after teaching at the University of Toronto and Queen's University.

He was educated at the University of Alberta, where he received his Bachelor of Arts degree, and the University of Toronto, where he was awarded the degrees of Master of Arts and Doctor of Philosophy.

A tireless public speaker and commentator, Prof. Signori carried out research and wrote extensively on such topics as attitudes toward the elderly and the socially disadvantaged, personality and marriage, impulsive and controlled behavior, industrial and business personnel selection and social problems in general.

He continued to teach and serve as a research professor in psychology following his official retirement in June, 1980. He taught until April of this year and supervised the work of a number of graduate students.

Prof. Signori is survived by his wife, Dolores, and twin daughters, Dolores, of Toronto, and Donna, of Victoria.

Opposition MLAs visit UBC Friday

Members of the NDP provincial caucus will spend Friday afternoon (Oct. 16) at UBC before the opening of their three-day annual convention at the Hotel Vancouver.

While at UBC they will have a cafeteria meal in a student residence with students from their own constituencies.

In the afternoon they will attend a series of workshops designed to meet some of their immediate needs for expert opinions as MLAs. The workshops will be on housing, provincial trade prospects in East Asia impact of forest industry policy on Interior communities, energy, provincial political party stereotypes and a new method of dealing with public enquiries for large projects such as hydro dams.

The workshops will take place in the recently-opened Asian Centre.

Kim Guerin (left) from UBC Museum of Anthropology's Native Youth Project, explains some traditional Northwest Coast Indian uses of cedar to a museum visitor.

Cedar tree the theme for museum students

Seven native Indian students from local high schools — Angela Campbell, Kim Guerin, Ron Joseph, Trudy Grant, Norman Point, Jaqueline Spathelfer and Denise Boudreau — participated during the summer in a Native Youth Project at the UBC Museum of Anthropology.

The program was designed to acquaint native youths with the traditional Northwest Coast Indian culture. The students gave oral presentations based on their research and displayed both group and individual projects to more than 5,000 museum visitors.

The Native Youth Project was sponsored by the UBC Museum of Anthropology and the Native Indian Youth Advisory Committee, the latter under the direction of Chairperson Brenda Taylor. Funding for the program came from John Labatt Ltd. as part of the company's ongoing promotion of Canada's cultural heritage. Additional funding came from Canada Manpower.

The cedar tree and its many uses in traditional Northwest Coast Indian culture was the theme around which the program developed. The students used ancestral methods of stripping and preparing the bark, carving wood for tools, and weaving bark threads. They made such items as a wooden beater, ceremonial rattle, and a woven cedar bark skirt.

According to the students, they shared many benefits by working at the museum.

"We appreciated the opportunity to meet such respected artists and craftsmen as Bill Reid, Jim Hart, Mike Nichols and Wally Henry," said Kim Guerin. "They showed us the dedication, discipline and skills a good artist must develop."

The participating artists also praised the program, urging that it be continued next summer, but Jim Hart added that he hoped the program could be expanded.

"For the students to really achieve the skills needed to carve or paint, a year-round program should be developed. Just to learn how to properly sharpen and modify special carving tools is a course in itself."

Under the guidance of Madeline Rowan, Curator of Education and Ethnology at the museum, and her assistant, Jean McIntosh, UBC graduate student in anthropology, the seven native youths also prepared and presented a slide show portraying the lifestyle of the Northwest Coast Native Indians, and an illustrated discussion on the traditional uses of cedar. They spoke daily, usually to a full house. On many occasions this program provoked lively discussions with the audience.

The public presentation gave the students an opportunity to practise public speaking as well as a chance to explain their own culture and way of life to people of many backgrounds.

As a finale to the summer program, the students took a special field trip to the Makah Cultural Centre at Neah Bay, Washington, where they were invited to speak to an enthusiastic audience on their heritage.

"This was one of the highlights of the summer," noted program supervisor Madeline Rowan.

"The teenagers raised enough funds for the trip south of the border by organizing and hosting a Northwest Coast Indian-style salmon barbecue, which was thoroughly enjoyed by everyone who came. Their efforts were well worth it, as the exchange of ideas and discussions following their presentation at the Makah Cultural Centre was an exciting experience for all."

In evaluating the project, Madeline Rowan says, "These seven native youths learned about their heritage through this program, and communicated their pride and enthusiasm to all they met. In this way, the program was a great success. The museum hopes to sponsor this program again next summer, perhaps working around this and other themes of interest and value to native youths and to our general public. We appreciate the generous support of John Labatt Ltd., the Native Youth Advisory Committee and the federal government in making such a program possible."

Activities varied for Food Day

"Food for all" is the theme for the first World Food Day, a day being observed worldwide on Oct. 16, 1981.

Oct. 16 marks the anniversary of the founding of the United Nations' Food and Agriculture Organization (FAO).

The objective of World Food Day is to provide a focus for activities designed to increase awareness of the magnitude of the world food problem.

Here at UBC the World Food Day program actually begins today, Oct. 14, with a tape-slide show from Oxfam entitled "Guess Who's Coming to Breakfast?" which discusses the influence of multinational corporations on food production in Third World countries. Harvey MacKinnon from Oxfam will be present to answer audience questions. (MacMillan 166, 12:30 p.m.)

Tomorrow, Oct. 15, Dr. Y.M. Maiangwa, His Excellency, the High Commissioner for Nigeria and Jorge Pablo Pernandini, His Excellency, the Ambassador of Peru, will be speaking on "Food for the Hungry". The question "What can we do?" will be addressed by Rory McBlane, director of International House, who will discuss the various options that one can become involved in. Volunteers who have worked with such organizations as CUSO and WUSC will be present to share their experiences. (IRC No. 2, 12:30 p.m.)

World Food Day activities on Friday, Oct. 16, will be located in the SUB Auditorium. Several films concerned with trade and food production in the Third World will be shown at 10:30 a.m. and 1:30 p.m., along with the excellent film produced by IDRC called "Choices", which documents various development approaches to the Third World. At noon hour, Mr. Choudhury, Acting High Commissioner for Bangladesh, will be speaking on "Starvation in Bangladesh", followed by Mr. John Laidlaw, Executive Director of the Canadian Hunger Foundation, discussing "How are we helping?".

World Food Day activities at UBC are being co-sponsored by the Agriculture Undergraduate Society, Food Science Society, International House and the Home Economics Undergraduate Society.

The Agriculture Canada Research Station located at 6660 NW Marine Drive will also be holding an Open House for all interested students, faculty and staff. Two tours are being arranged, 10:45 a.m. and 2 p.m. Friday, and persons are asked to meet in the main lobby of the station at these times.

Province-wide World Food Day activities will culminate at Robson Square on Friday evening with a rally, entertainment by local celebrities and displays by Canadian Third World Service organizations. Fast cards and pledges will be collected at this time. Fast cards are available from the Food Science Department on campus and will also be distributed at the UBC activities.

Ninety-eight hours of public educational television are now being beamed to all parts of B.C. weekly via the transmitter of the Knowledge Network, which moved its operations centre to the UBC campus last week. Giant crane, above, hoisted transmitter components to the top of the Woodward Instructional Resources Centre, linking UBC with 53 B.C. communities who receive programs via satellite earth stations or cablevision. Fall program guides are available from network's UBC offices in the Library Processing Centre, 224-6511.

House calls still in fashion at UBC's Family Practice unit

Doctors' house calls went out with flint arrowheads but there's one place in Vancouver where they are still in fashion. Physicians attached to UBC's Family Practice Teaching Unit make house calls at night and on evenings routinely.

House calls are just part of the "unusual" services offered by the unit. It provides a wide variety of primary health care that normally isn't available at a single location.

Besides family physicians, the unit is also staffed by a pediatrician, social worker, clinic nurse, pharmacist, and public health nurse.

The unit is also used for teaching students from various UBC health science professions. The residents, for example, are all doctors who have graduated from medical school and are specializing in family practice, in the same way that a doctor takes further training to become a surgeon or pediatrician.

UBC employees are invited to use the unit for travel immunizations and medications or medical care. Anyone without a family doctor and wanting one can register at the unit.

The unit is in the Mather Building at 5804 Fairview Ave. on campus. The telephone local is 5431.

New patent policy for UBC

Computer programs, data bases and microcircuits can't be patented, but they can be licensed and sold — and UBC has revised its patent policy to include protection of such 'soft' inventions.

For example, there may be a patented machine which makes pulp. The machine may make more and better pulp if it is regulated according to a very precise routine. Such 'know-how' may be a licensable trade secret that could be sold by the inventor of the routine.

The new UBC policy, which has been approved by the Board of Governors, came after an extensive study of the patent policies of leading universities in Canada and the United States.

Dean Peter Larkin, associate vice-president research and chairman of the executive committee on research, said the new UBC policy incorporates the best features of contemporary patent policies in North America.

The Board of Governors approved the following statements of objective:

"The essential purpose of the University Patent and Licensing Plan is to encourage the public use and commercial application of inventions, and in so doing to protect the rights of the inventor and the University. University personnel are encouraged to discuss and publish the results of research as soon and as fully as may be reasonable and possible. However, public use and commercial application are frequently facilitated by patenting and licensing arrangements.

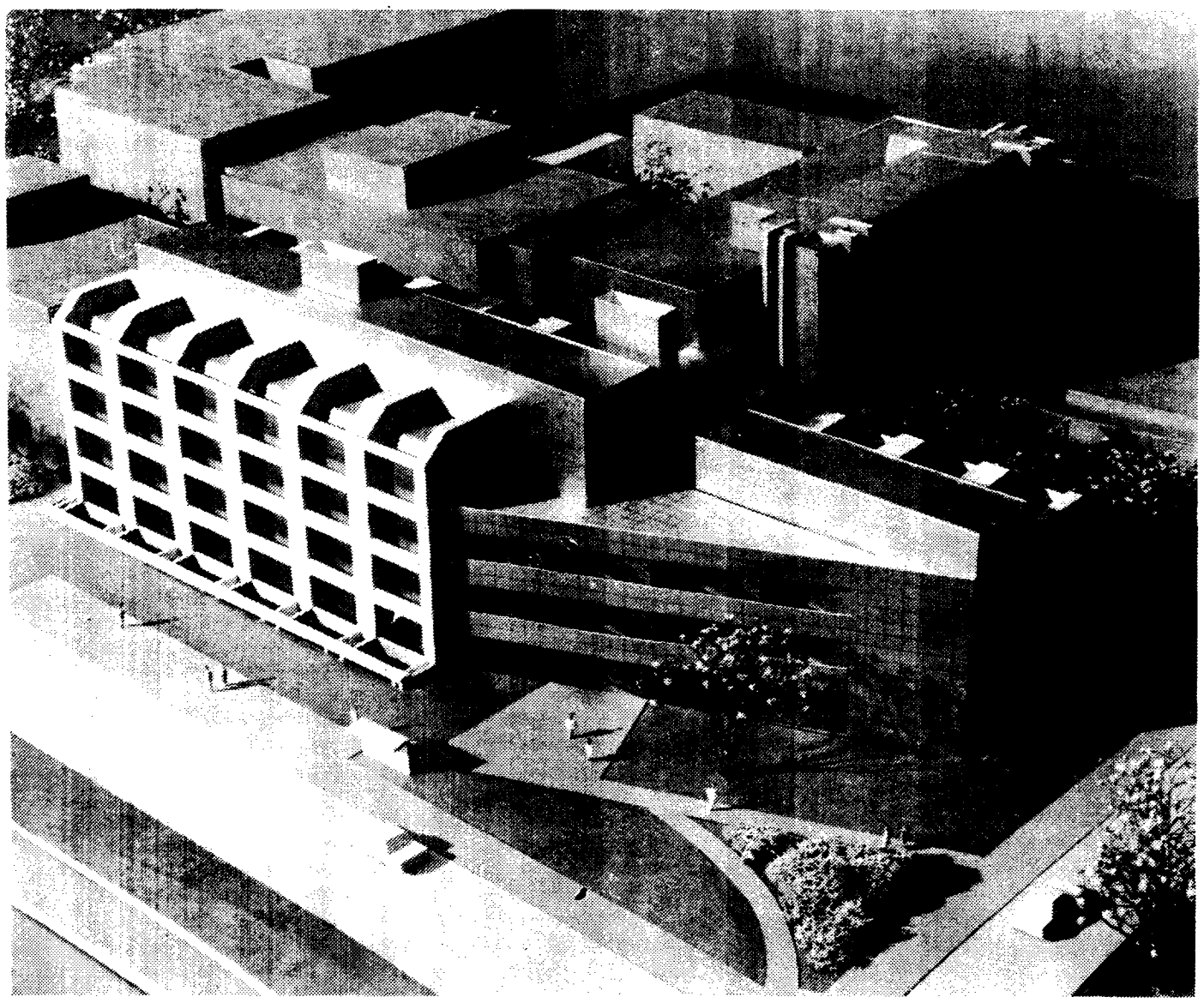
"If any member of the faculty or staff of the University or any student or anyone connected with the University, using University facilities, or using funds administered by the University, proposes to patent or license an invention or discovery, a disclosure must be made to the University and the rights assigned to the University in return for a share in any proceeds arising from the invention or discovery, as set forth in paragraph 7(e) hereof.

"For the purposes of this Plan, invention or discovery includes data bases, computer programs or equivalent circuitry, and all other products of research which may be licensable.

"Where it is anticipated that inventions or discoveries may ensue from a particular research enterprise, it may be necessary to undertake special agreements concerning patent or licensing rights before the research funds are accepted for administration by the University."

Under the new policy, the inventor receives 50 per cent of net income and the University 50 per cent. Money received by the University will be regarded as general income.

The new plan will be administered by the office of research administration. Additional detail may be obtained from Dr. Richard Spratley, Research Administrator, at 228-3652.



Corner of University Boulevard and East Mall will look like this a few years down the road, when the new Physics/Chemistry building replaces the Home Economics building that is there now. New Home Ec building is under construction, and work on this one is expected to begin early next summer. Estimated cost is $11 million. The new building will link up with present Physics and Chemistry buildings.

No fat, but gov't still plans cuts

The federal government appears determined to cut back its payments to provincial governments under Established Programs Financing, despite a recommendation from an all-party task force urging a continuation of existing arrangements for transferring funds from Ottawa to the provinces.

The seven-member task force, which was chaired by Liberal MP Herb Breau, said there was, for the most part, "no fat left in the system — no fat in post-secondary education, no fat in the health system, no excess spending in social assistance, little redundancy in social services."

However, federal finance minister Alan MacEachen said recently that he is sticking by his announced intention of last October to reduce the rate of growth in payments to the provinces.

Payments to the Canadian provinces are made annually under the Established Programs Financing (EPF) scheme, which has been in force since 1977. The transfer of funds supports hospital insurance, medicare and post-secondary education.

B.C.'s estimated share of the EPF funds for higher education alone in 1980-81 is $335.6 million, estimated to be about 60 per cent of the total cost of post-secondary education in the province.

UBC's president, Dr. Douglas Kenny, said he was "delighted" with the recommendations of the federal task force when their report appeared earlier this month, adding that he hoped their investigation would "put to an end any possibility of reductions in aid to post-secondary education."

But more recently, an eastern newspaper reported that Justice Minister Jean Chretien, who was finance minister before Mr. MacEachen, had proposed cutting payments to the provinces by as much as $11 billion by 1987.

The parliamentary task force chaired by Mr. Breau held hearings in all parts of Canada and reached the conclusion that programs supported by EPF "are serving vital social needs and merit undiminished support."

Chapter Five of the report on support of post-secondary education says the task force sees "the significant role played by universities . . . in teaching, research and reflective scholarship — in addition to the provision of commercial, scientific or professional skills — as critical to national well-being."

The committee also quotes extensively from the brief presented to it in Victoria in early June by President Kenny, who said that "A nation that seeks to compete must get its national and fiscal priorities right . . . We find ourselves at a time . . . when new knowledge . . . is going to determine the future of nations.

"This will place strong pressure on Canadian universities to produce graduates who can keep Canada competitive . . .It is clear that, if Canada is to achieve its goal of R&D expenditures . . . it will be necessary to increase substantially the rate of production of highly qualified manpower . . . . "

The task force concluded that capping or reduction of federal government contributions to university financing should be avoided and that "federal support should be continued on the current basis, at least until the two orders of government have consulted about the goals and future needs of the higher education sector."

The Breau task force recommends that responsible federal and provincial ministers review and take appropriate action on improved assistance to needy students described in the earlier Report of the Task Force on Student Assistance.

"We also recommend," the Breau report says, "that priority attention be given to early adjustment in existing programs that will ensure that needy students have realistic levels of assistance in the light of rising living and other costs, and reduced opportunities for summer earnings."

New telephone service opens

If you want information about public events at UBC and it's after 5 p.m., you can now call the public events information line (228-3133) set up by the Department of Information Services.

People calling the number will hear a recorded listing of public events, emergency numbers and other important information. The tape is changed each weekday and weekend events are included on the Friday tape.

If you have a major event of interest to the public and would like it included on the tape, call Lorie Chortyk at 228-2064 before 10 a.m. on the morning of the event. Events already listed in the UBC Calendar will be included automatically.

7 exhibits from UBC at fair

Seven UBC exhibits will be featured at this year's Discovery Fair at Robson Square. The annual science fair sponsored by the provincial Ministry of Universities, Science and Communications runs from Oct. 23 to 30.

The theme this year is "application of automation to communications" which means computer buffs will be in heaven. Central to many of the UBC exhibits is a microprocessor.

Visitors to the fair include businessmen, school children and a general adult audience. Some exhibitors try to appeal to only a portion of the public — to children with entertaining exhibits that have little content, or to businessmen by using technical exhibits incomprehensible to laymen. The UBC displays try to demonstrate serious content while still being fun. They deal with real problems in an engaging way.

The department of nuclear medicine in the Faculty of Medicine is demonstrating the "slow scanner." Images are sent over ordinary telephone lines for analysis. The system has already been used in B.C. Patients in the Interior are interviewed by medical genetic experts in Vancouver. Or unusual X-rays are transmitted to Vancouver for instant analysis by UBC experts.

The co-operative fisheries research unit in the Institute of Animal Resource Ecology will invite visitors to determine using a computer terminal the maximum amount of salmon that can be caught over a period of time without depleting the stock.

Current high interest rates will guarantee interest in the display by the urban land economics division of the Faculty of Commerce and Business Administration. Using a computer program, visitors will be able to calculate monthly payments on a mortgage at different interest rates or project the rate of return earned on income-producing real estate such as apartments or office buildings.

Electrical engineering will explain the history and state of the art of communications satellites, communication between earth and orbiting satellites and the role of galium arsenide, a material predicted to perform much more efficiently than silicon as a semi-conductor.

Also in the Faculty of Applied Science, mechanical engineering will demonstrate how a three-dimensional object can be re-created automatically by a machine guided by a computer. The technology has many industrial applications, particularly in medicine.

The computerized services of the new 240-bed acute care unit in UBC's Health Sciences Centre Hospital will be demonstrated. Terminals are used to admit patients, keep health records, and to ask for and receive a variety of health and lab records in various parts of the hospital.

The Library will demonstrate its increasing use of computers, including information retrieval and specialized computers communications.

Ottawa archeologist joins UBC museum

George MacDonald

Archeological excavations on an important B.C. prehistoric Native Indian site will be directed from the UBC Museum of Anthropology by Dr. George MacDonald, internationally known archeologist who has recently joined the museum staff as a visiting fellow.

Formerly Chief of the Archeological Survey of Canada, Dr. MacDonald is Senior Scientist (Archeology) at the National Museum of Man in Ottawa. His two-year residency at the UBC Museum of Anthropology represents the first staff exchange between the two museums.

While at UBC, Dr. MacDonald will work on several major projects. He is project director of the Kitselas Canyon archeological excavations, jointly sponsored by the National Museums of Canada and Parks Canada, and carried out in close co-operation with the elders of the Kitselas Band Council. A bountiful fishing grounds, the Kitselas Canyon (on the Skeena River near Terrace), contained many villages of Tsimshian-speaking peoples during the long history of its occupation. Often several villages co- existed in the canyon.

The Kitselas site offers the archeological team an unusual opportunity to reconstruct the historical framework of the region because the Kitselas native peoples have a rich oral tradition dating back at least 500 years, recounting the oldest military traditions in Canada, Dr. MacDonald notes. The archeological team, consisting of a dozen archeologists, UBC students and native Indians from the Kitselas reserve, are integrating the oral history with the scientific archeological evidence to trace the movement of peoples and development of cultures in the area. An important discovery made last summer was two wet sites, expected to yield a complete range of material culture, including materials that would have decayed under drier conditions.

Researching prehistoric trade networks among native peoples is another of Dr. MacDonald's interests. These networks extended as far north as Northeastern Siberia (to the Russian trading posts at Irkutsk), and funnelled goods from the north into the northwest coastal region. Along these routes, strung over canyons, were cedarbark rope bridges. Dr. MacDonald is currently working to have one example, which has survived in part, preserved by the Canadian Conservation Institute.

In conjunction with the Museum of Anthropology's upcoming major exhibition, *The Legacy: Continuing Traditions of Canadian Northwest Coast Indian Art*, George MacDonald will present public slide lectures at 7:30 p.m. in the Theatre Gallery: on Oct. 27 "Northwest Coast Indian Art: The Classic Period", and on Nov. 17 "Northwest Coast Indian Art: The Renaissance Period". In the first lecture, Dr. MacDonald will examine early pieces — most done in the early 19th century, the unsigned prototypes of contemporary Native Indian art. The contemporary art revival and its artistic and commercial aspects is the topic of the second lecture. These lectures are being offered in conjunction with a museum-sponsored tour for members to museums in Portland and Seattle, led by George MacDonald and Hindy Ratner. For further information on the tour and accompanying lectures, please contact Hindy Ratner at 228-5087.

Within the next few months Dr. MacDonald hopes to complete the definitive social history of Haida houses. For 10 years he accumulated all available photographs of Haida houses, mapped villages, identified house sites, and prepared a house-by-house survey of each village. This meticulously researched volume, being published by the University of British Columbia Press, includes several hundred illustrations. The anticipated release date for publication is summer 1982.

In addition to the above scholarly activities, George MacDonald will make himself accessible to the university community and interested scholars, and plans to share his knowledge and experience with the general public through a spring lecture program at the Museum of Anthropology.

UBC man gets MRC 'first'

Diabetics have more than twice as many fatal heart attacks as non diabetics, and Dr. John McNeill of UBC hopes to find out why.

"Once we find out why, we can start working on how to keep it from happening," says Prof. McNeill, who has an international reputation in the area of cardiac research.

His interest in the effect of diabetes on the heart stems from remarks made at a meeting in 1978 of the International Society for Heart Research.

"I learned then that although the incidence of cardio-vascular disease among diabetics was common knowledge, there had been literally no research on the problem."

This year, there will be a lot, since Dr. McNeill has just received a Research Professorship Award from the Medical Research Council of Canada — the first such award ever made to a professor in a pharmacy school.

The award has taken Prof. McNeill out of the classroom and enabled him to concentrate on his research program. And he has a year off from his administrative duties as assistant dean in the Faculty of Pharmaceutical Sciences and as chairman of the division of pharmacology and toxicology, the elective position he has held since 1972.

Medical research of any kind is a long, slow, step-by-step process, and Dr. McNeill figures he is still two or three years away from a solution to the diabetic heart problem, although some progress has been made.

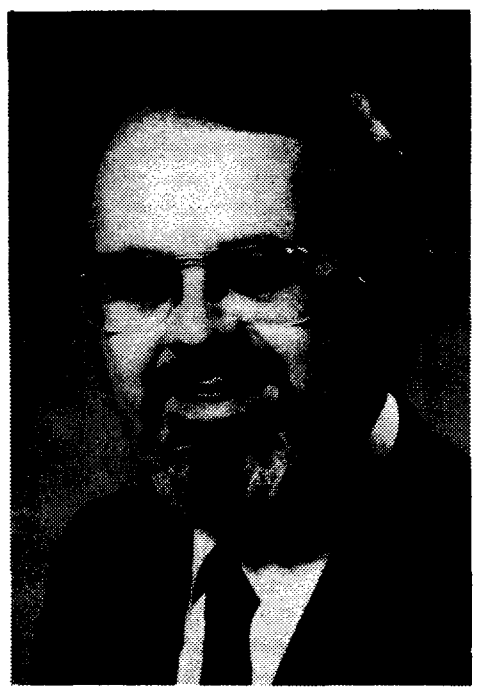
"We know that the heart of a diabetic ages faster and doesn't relax as well, and we know that a buildup of fatty acid is one of the problems," he says, "and we know that this affects the heart's ability to utilize calcium."

But the cause still has to be determined.

"It could be because of a lack of insulin, an increase of glucose in the blood, or because of another factor entirely."

Exercise, or lack of it, may also be a factor, and Dr. McNeill said he and his research team may look at this as a next step in the process. "Right now we are using sedentary animals," he says.

Rats are the animals being used, and the fact that the research is into diabetes means the animals require more care than non diabetic rats would require. It also slows the research.



John McNeill

"If you want to look at a one-year diabetic rat, you simply have to wait out that year," said Dr. McNeill.

Working with Dr. McNeill are six grad students, two post-doctoral fellows, one fulltime technician and one clerk. About half of their time is spent on the diabetes project.

If their findings show that diabetics tightly controlled by insulin have a lower incidence of heart problems, then the insulin pump now being perfected by other researchers may be the answer, according to Dr. McNeill.

Under this system, insulin is implanted in the arm, abdomen or leg of a diabetic and released in specific amounts at fixed intervals. Research is also being conducted on a much improved system whereby the implanted insulin pump would be activated by the needs of the body itself. And Dr. Wah Jun Tze of UBC (paediatrics) is working on an 'artificial pancreas' that would be implanted in the arm and produce insulin on demand.

Whatever method evolves as the best for controlling diabetes itself, Dr. McNeill's research can only be good news to those who have the disease. And according to the Canadian Diabetes Association, one person in four in Canada is either diabetic or will become diabetic.

Apart from this year's research fellowship, Dr. McNeill has received earlier grants from the MRC, as well as from the Canadian Diabetes Association, the B.C. Health Care Research Fund, the B.C. Heart Foundation and the Canadian Heart Foundation.

GRANT DEADLINES

November 15
- Canadian Liver Foundation Research Grant.
- Donner Canadian Foundation Research.
- Energy, Mines and Resources Canada Research Agreements Program.
- Health and Welfare: Family Planning Research.
- National Cancer Institute of Canada Career Award Appointments.
- National Cancer Institute of Canada — Equipment.
- National Cancer Institute of Canada — Research.
- National Cancer Institute of Canada Training and Study Awards.
- SSHRC: Strategic Grants Division Management Science: Doctoral Completion.
- SSHRC: Strategic Grants Division Management Science: Reorientation Fellowship.

November 16
- Lindbergh, Charles A. Fund Grant.
- Science Council of B.C. Research Grant.

November 20
- Muscular Dystrophy Association of Canada Research Grant.

November 30
- Canadian Liver Foundation Fellowship Program.
- Canadian Liver Foundation Scholarship.
- Canadian National Sportsmen's Fund Project Grants.
- Canadian National Sportsmen's Fund Research Grants.
- Lady Davis Fellowship Trust Fellowships.
- Lady Davis Fellowship Trust Visiting Professorships.
- National Museum of Man Research Contract.
- North Atlantic Treaty Organization International Collaborative Research.
- Spencer, Chris Foundation Grants.
- Weizmann Institute of Science Charles H. Revson Career Development Chairs.

ACROSS CANADA

The following student awards were approved by the UBC Senate. For more information on these and other scholarships and bursaries, contact Awards and Financial Aid in the General Services Administration Building, Room 50.

American Academy of Oral Pathology Award — The American Academy of Oral Pathology will make available a certificate of merit for the graduating student showing the greatest interest and ability in the field of oral pathology.

American Association of Endodontists' Award — A certificate and subscription to the *Journal of Endodontics* has been made available by the American Association of Endodontists for the student demonstrating exceptional ability in the area of endodontics during his/her dental training.

American Association of Orthodontists' Award — The American Association of Orthodontists will provide a certificate of merit to the graduating student who demonstrates exceptional interest in the development of oro-facial complex.

American Concrete Institute, British Columbia Chapter, W.G. Heslop Scholarship in Civil Engineering — A scholarship in the amount of $1,000, has been established by the British Columbia Chapter of the American Concrete Institute to honor the memory of the late Wilfred Gibson Heslop, Professor Emeritus of Civil Engineering at UBC

American Institute of Architects Certificate of Merit — A certificate of merit is made available by the American Institute of Architects, to the second ranked graduating student in each architecture program accredited by the National Architectural Accrediting Board.

American Institute of Architects Henry Adams Medal — A medal and certificate is made available annually by the American Institute of Architects, to the top ranked graduating student in each architecture program accredited by the National Architectural Accrediting Board.

B.C. Association of Laboratory Physicians Prize in Pathology — A prize in the amount of $500 has been made available by the B.C. Association of Laboratory Physicians. It will be awarded on the recommendation of the Department of Pathology to a member of the graduating class who has demonstrated proficiency and interest in the study of Pathology in the undergraduate program.

Bell Farms Ltd., Fellowship in Economics — A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student writing a dissertation in the area of "guaranteed annual income" or "negative income tax" schemes of social security.

Bell Farms Ltd., Fellowship in Pomology — A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student whose thesis research is directed toward improvement of knowledge of the cranberry plant, its culture and production.

Bell Farms Ltd., Fellowship in Transportation — A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student in the Faculty of Commerce and Business Administration doing research in connection with bus co-operatives or "bus pools" and their relevance to urban transportation.

William G. Black Memorial Prize — A prize in the amount of approximately $1,000 has been made available by the late Dr. William G. Black, B.A., 1922, who retired from the faculty in 1963 after many years of service. The award will be made for an essay on a topic related to some aspect of Canadian citizenship.

Warring Paxton Clarke Graduate Fellowship in Finance — This scholarship is to be awarded annually to a graduate student in the Faculty of Commerce and Business Administration who has completed the first year toward the Master of Business Administration or Master of Science degree with the highest standing and is proceeding to full-time study in the second year with a concentration in finance and/or security analysis. The scholarship is in the amount of $1,000.

Dr. Derek Daniel Wolney Memorial Resident Prize for Clinical Proficiency in Anaesthesia — An annual prize in the amount of $200 has been established in memory of Dr. Derek Daniel Wolney, by his friends and associates. The prize will be awarded to the resident in the Department of Anaesthesiology Resident Training Program (any year of training eligible) considered by the department as having demonstrated the highest level of clinical proficiency in anaesthesia.

Faculty of Applied Science Prize — A prize in the amount of $200 has been made available by Dr. V.J. Modi, professor of Mechanical Engineering, on the occasion of his receipt in 1981 of the Jacob Biely Faculty Research Prize in recognition of his outstanding contributions to the fields of satellite mechanics, aerodynamics, ocean engineering and biomechanics. This prize, to promote and recognize academic excellence, will be awarded to a student in the graduating class in the Faculty of Applied Science on the recommendation of the Dean.

Oscar Engelbert Forsberg Memorial Scholarship — A scholarship of $500, established as a memorial to Oscar Engelbert Forsberg, who immigrated to Canada from Sorsele, Sweden, in 1928, by his wife Winnifred, is offered to a medical student with a good academic record to provide assistance with the cost of the students' education. The award will be made on the recommendation of the Faculty of Medicine.

Donald C. Gibbard Scholarship in Music Education — A scholarship in the amount of approximately $100 has been established in honor of Donald C. Gibbard, who was for several years Chairman of the Music Education department. It will be awarded, on the recommendation of the department, to an outstanding student in Music Education in the Faculty of Education.

Hospital Employees' Union (Lions Gate Unit) Bursary — A bursary in the amount of $500 is offered by the Lions Gate Unit of the Hospital Employees' Union, Local 180. To be eligible, an applicant must be a member or the son or daughter of an active member of the Union ("active" being interpreted as on the staff of a hospital within the jurisdiction of the H.E.U., or on the staff as of January 1st of the year of award but since superannuated).

Investment Dealers Association Bursary — A bursary in the amount of $700, the gift of the Investment Dealers Association of Canada, is offered to a student entering the final year of the B.Com. program in a course of study related to the investment field.

Dr. Peter Gee-Pan Mar Memorial Scholarship — A scholarship in the amount of $300 has been made available by family and friends in memory of the late Dr. Peter Gee-Pan Mar. The award will be made on the recommendation of the Department of Biochemistry, to a student entering fourth-year Science and proceeding toward the degree of B.Sc. (Honours) in Biochemistry.

Monenco Scholarship — A scholarship in the amount of $750 has been made available by Monenco Limited to commemorate the 75th anniversary in 1982 of the Montreal Engineering Company Limited. The award will be available for a five-year period commencing with the 1982-83 academic year and will be awarded to a student entering the final year of Engineering.

Pfizer Canada Inc. Scholarship in Pharmacy — A scholarship in the amount of $500 has been made available by Pfizer Canada Inc. The award will be made to a student entering the final year in the Faculty of Pharmaceutical Sciences and will be made on the recommendation of the Faculty.

Porte Realty Ltd., Scholarship — This scholarship of $500, a gift of Porte Realty Ltd., is offered annually to a student specializing in Urban Land Economics in the Faculty of Commerce and Business Administration.

Robert Y. Porte Community Pharmacy Residency Memorial Scholarship — A scholarship provided from the revenue of the funds established by the Shopper's Drug Mart Associates will be awarded annually to a student accepted into the Community Pharmacy Residency Program.

Rotary-Todokoro Prize in Cardiology — This prize of $500 is given annually to the resident who has put forth the best research effort in the two-year program in Cardiology at the UBC Faculty of Medicine.

Jean Marie Sherwin Bursary in Law — A bursary in the amount of approximately $450 has been made available by the late Jean Marie Sherwin of Victoria, B.C. The award will be made to a student at either the undergraduate or graduate level in the Faculty of Law.

Jean Marie Sherwin Bursary in Social Work — A bursary in the amount of approximately $450 has been made available by the late Jean Marie Sherwin of Victoria, B.C. The award will be made to a student at either the undergraduate or graduate level in the School of Social Work.

Harry and Hilda Smith Foundation Scholarships — One or more scholarships to the amount of approximately $1,000 have been made available by the Harry and Hilda Smith Foundation. The scholarship or scholarships will be made on the recommendation of the Department of Creative Writing to a student or students, graduate or undergraduate, on the basis of ability in Creative Writing and of financial need.

Texaco Canada Fellowship in Coal Pyrolysis — A fellowship in the amount of $6,500 has been made available by Texaco Canada Resources Limited to support a student in the field of coal pyrolysis. The award is available to students in mechanical, chemical, electrical or civil engineering and will be awarded on the recommendation of the Faculty of Applied Science, in consultation with the Faculty of Graduate Studies.

James Robert Thompson Fellowships — One or more fellowships totalling approximately $7,200 have been made available by the late James Robert Thompson, B.Com., 1967. The awards will be made on the recommendation of the Faculty of Graduate Studies to a student or students planning a career related to preservation of the natural environment. It was the expressed wish of the donor that recipients of the fellowship would demonstrate a desire to use their talents and abilities to establish a significant career in preserving the natural and wilderness areas in B.C. and the Yukon.

Alcan Fellowships in Japanese Studies — A fellowship in the amount of $6,000 is made available by the Aluminium Company of Canada Ltd., for a student who has completed his or her undergradute program and is continuing studies leading to a master's or doctoral degree in Japanese studies. Preference will be given to applicants who wish to pursue studies in the field of the contemporary Japanese economy. During the tenure of the award, the holder may not accept any position of employment except such teaching duties as may be assigned by, or at the discretion of, the Head of the Department. The award will be made on the recommendation of the Faculty of Graduate Studies. The award will be available for two years commencing in the 1981-82 academic year.

Non-union staff awarded extra five per cent

Close to 1,000 non-union UBC employees have had their general salary increase boosted to 15 per cent from 10 per cent, to match union increases.

The additional increase, approved by the Board of Governors Oct. 6, goes to 50 members of the executive administration, 430 administrative and professional staff, three executive secretaries, and 455 non-union technicians and research assistants.

The increase is retroactive to July 1 for the first three categories, and to April 1 for the technicians and research assistants.

Meanwhile, negotiations between the University and teaching assistants are continuing. The TA contract expired Aug. 31.

Mindpower Campaign opens

President Douglas T. Kenny has established a campus-wide committee to co-ordinate a national campaign aimed at increasing public awareness of the value of higher education.

UBC is one of more than 25 Canadian universities taking part in the so-called "Mindpower Campaign." A similar campaign is under way in the United States, where 1,100 universities and colleges are making use of materials developed by the Council for the Advancement and Support of Education (CASE) in Washington, D.C.

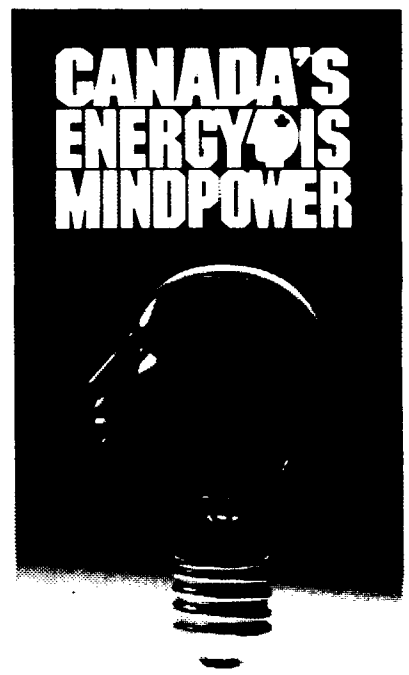
The committee which will co-ordinate the campaign on the UBC campus met yesterday (Tuesday, Oct. 13) under the chairmanship of Prof. Bob Smith, UBC's associate vice-president, academic.

"The initial meeting of the UBC co-ordinating committee brought together more than 25 people who make use of graphic materials in UBC publications and in advertising, as well as individuals who are responsible for the University's outreach program throughout the province," Prof. Smith said.

"We hope the members of this co-ordinating committee will develop imaginative ways in which the Mindpower materials can be used in conjunction with publications and other public events sponsored by the University."

Prof. Smith said the Mindpower campaign would be centred on UBC's Department of Information Services. "I invite anyone at UBC who wishes to discuss the use of the Mindpower materials to contact Jim Banham, UBC's information officer (228-2130), for further information."

The first extensive use of Mindpower promotional materials will be in association with UBC's display at the annual Discovery Fair at Robson Square from Oct. 23-30.



support our colleges and universities

UBC CALENDAR

UBC Calendar Deadlines

For events in the weeks of Nov. 1 and Nov. 8, material must be submitted not later than 4 p.m. on Oct. 22.
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.

Saturday, Oct. 24
The Press and the World. Dr. Conor Cruise O'Brien, Consulting Editor of The Observer, Dublin and London.

Saturday, Oct. 31
The Czech Theatre. Prof. Marketa Goetz-Stankiewicz, head, Germanic Studies, UBC.

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

SUNDAY, OCT. 18

Women in Management.
The Centre for Continuing Education is sponsoring a workshop on Managing Stress, with Tanis Helliwell. For more information, call 228-2181, local 240. 9:30 a.m. to 4:30 p.m.

SUB Films.
Tess. Auditorium, Student Union Building. 7:00 p.m.

MONDAY, OCT. 19

Mechanical Engineering Seminar.
Alternative Fuels for Automobiles: Natural Gas and Gasoline. Gerald Born, research engineer, Alternate Fuel Laboratory, UBC. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.
An Introduction to Activation Energy Asymptotics—Plane Deflagration. Prof. John Buckmaster, Mathematics, UBC. Room 104, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
The Clarke Lake Low Frequency Synthesis Radio Telescope. Dr. Mike Mahoney, Clarke Lake Synthesis Telescope, Borregeo Springs, Calif. Room 318, Hennings Building. 4:00 p.m.

Zoology "Physiology" Group Seminar.
Mechanisms and Physiological Significance of Protein Breakdown in Cells. Dr. A. Goldberg, Physiology, Harvard University. Room 2449, Biological Sciences Building. 4:30 p.m.

Biochemical Discussion Group Seminar.
Ligand Binding to Heme Proteins. Dr. Fiona Millar. Lecture Hall 4, Woodward Instructional Resources Centre. 4:30 p.m.

TUESDAY, OCT. 20

Cecil and Ida Green Lecture.
Religion, Literature and Politics. Conor Cruise O'Brien, consulting editor, The Observer, Dublin and London. Theatre, Law Building. 12:30 p.m.

Hewitt Bostock Memorial Lecture.
The Female Principle in Gaelic Literature. Maire Cruise O'Brien, poet, Dublin. Call 228-5675 for location. 12:30 p.m.

International House.
Film Series '81. Today's films are *Come to Kashmir* and *River Ganges*. Room 400, International House. 12:30 p.m.

Freesee Film Series.
Making A Revolution, the third in this series with the general title America — A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Botany Seminar.
Polymorphisms in B .C. Plants: A Genetic Natural History. Dr. Fred Ganders, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Electrical Engineering Seminar.
Managing the Electrical Energy Resources of B.C. Bill Best, vice-president-corporate, B.C. Hydro. Room 402, Electrical Engineering Building. 1:30 p.m.

Oceanography Seminar.
Drifting Buoys in STREX. Dr. W.G. Large, National Center for Atmospheric Research, Boulder, Colo. Room 1465, Biological Sciences Building. 3:30 p.m.

Museum of Anthropology.
Archeology in British Columbia. David Pokotylo, curator of archeology, Museum of Anthropology. Fee is $2. Museum of Anthropology. 4:00 p.m.

Chemistry Seminar.
Escape of Planetary Atmospheres. Dr. Bernard Shizgal, Chemistry, UBC. Room 126, Chemistry Building. 4:30 p.m.

International House.
Film Series '81. Tonight's films are *Come to Kashmir* and *River Ganges*. Room 400, International Hosue. 7:30 p.m.

WEDNESDAY, OCT. 21

Wednesday Noon-Hour Concert.
Music of Granados, Turina, Rodrigo, Toldra, Rossini. Montserrat Alavedra, soprano, and Randolph Hokanson, piano, guest artists from the University of Washington. Recital Hall, Music Building. 12:30 p.m.

Hewitt Bostock Memorial Lecture.
Gerald the Earl. Cultures in Contact in Medieval Ireland. Maire Cruise O'Brien, poet, Dublin. Penthouse, Buchanan Building. 12:30 p.m.

Philosophy Lecture.
Morality and Animals. Prof. Peter Singer, Monash University, Australia. Room 101, Law Building. 12:30 p.m.

Anatomy Seminar.
Effects of Shear on Cellular Reactions in Flowing Blood. Dr. D.E. Brooks, Pathology, UBC. Room 37, Block B, Medical Sciences Building. 12:30 p.m.

World University Services Film.
Risks and Benefits. Looks at the social and economic impact of highrise housing development built in Penang, Malaysia. Room 205, Buchanan Building. 12:30 p.m.

Statistics Workshop.
Estimation of Means With the Factor Model. Prof. Larry Weldon, Mathematics, SFU. Room 214, Geography Building. 3:30 p.m.

Chemical Engineering Seminar.
Freeze-Coating of Urea with Sulphur. A. Lee. Room 206, Chemical Engineering Building. 3:30 p.m.

Biophysics Seminar.
Force Fields and Biological Organization. Why Do Plants Grow Against Gravity? Prof. Cornelius A. Tobias, Biophysics and Medical Physics, University of California, Berkeley. Room 201, Hennings Building. 4:00 p.m.

Comparative Literature Colloquium.
Literary History: The Anatomy of a Non-Discipline. Michael Batts, Germanic Studies, UBC. Penthouse, Buchanan Building. 4:30 p.m.

Academic Women's Association.
Dinner and speaker. June Gow, History, UBC, will speak on Gone with the Wind? Women in the Old South. No-host bar at 5:30 p.m., dinner at 6:30 p.m. Contact Eleanore Vaines, Home Economics, by Oct. 16 for reservations. Faculty Club. 5:30 p.m.

THURSDAY, OCT. 22

Cecil and Ida Green Lecture.
Conflict, Poverty and Communication. Conor Cruise O'Brien, consulting editor, The Observer, Dublin and London. Theatre, Law Building. 12:30 p.m.

Lectures Committee Lecture.
Tsars, Soviets, and Jews: The Roots of the Current Problem. Prof. Michael Stanislawski, History, Columbia University. Room 223, Buchanan Building. 12:30 p.m.

Lectures Committee Lecture.
Shakespeare in the 18th Century. Prof. Robert Halsband, English, University of Illinois. Room 204, Buchanan Building. 12:30 p.m.

John F. McCreary Lecture.
Health Education and the Microcomputer: Revolution in Progress. Prof. Richard E. Pogue, Health Systems and Information Sciences, Medical College of Georgia, Augusta, in conjunction with the Sigma Xi Club. Lecture Hall 2, Woodward Instructional Resources Centre. 12:30 p.m.

UBC Christian Science Lecture.
Exploring the Realm of Divine Spirit. Jack E. Hubbell, member, Christian Science Board of Lectureship, Boston, Mass. Room 104, Buchanan Building. 12:30 p.m.

Pharmaceutical Sciences Lecture.
The Role of alpha-2-Macroglobulin in Cystic Fibrosis. Dr. M. Bridges. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

International Job Opportunities.
Third- and fourth-year students in science, applied science, forestry and agriculture interested in working abroad should attend the International Association for the Exchange of Technical Students (IAESTE) information meeting. For information, call 228-3022. Room 1206, Civil and Mechanical Engineering Building. 12:30 p.m.

Women Students' Office.
Essay Skills Workshop. Repeated on Oct. 29 and Nov. 5. Room 301, Brock Hall. 12:30 p.m.

Women Students' Office.
Panel Discussion on Women in Writing Careers. Admission is free. For more information, call 228-2415. Room 223, Brock Hall. 12:30 p.m.

Condensed Matter Seminar.
Superconductivity in Two Dimensions: A Renaissance. Malcolm Beasley, Stanford University. Room 318, Hennings Building. 2:30 p.m.

Physics Colloquium.
Cancer Research. Prof. Julia Levy, Microbiology, UBC. Room 201, Hennings Building. 4:00 p.m.

SUB Films.
Double feature with *101 Dalmations* and *Popeye*. Continues on Friday, Oct. 23 and Saturday, Oct. 24 at 7:00 and 9:30 p.m. and on Sunday, Oct. 25 at 7:00 p.m. Auditorium, Student Union Building. 7:00 p.m.

Backgrounders on B.C. Economy.
Third lecture in a nine-week series on Backgrounders on the B.C. Economy. Tonight's topic will be Forestry, by Fred Moonan of MacMillan Bloedel Ltd. For information, call 228-2181. Room 226, Angus Building. 7:30 p.m.

Continuing Education Lecture.
The Irish Literary Heritage. Maire Cruise O'Brien, poet, Dublin. $6 admission. Room 102, Buchanan Building. 8:00 p.m.

FRIDAY, OCT. 23

Health Sciences Lecture.
Explanatory Models, Health Care and Culture: Contributions from Clinical Social Science. Prof. Arthur Kleinman, University of Washington. Part of a one-day interdisciplinary Research Conference sponsored by UBC's School of Nursing. Lecture Theatre G279, Acute Care Unit. 9:30 a.m.

Recital of Indian Music.
Classical Ragas of India. Kathryn Hansen, North Indian sitar. Recital Hall, Music Building. 12:30 p.m.

Developmental Medicine Seminar.
Postpranial Apolipoprotein Metabolism. Dr. Susan Barr, Human Nutrition, UBC. First Floor Seminar Room, Willow Pavilion, VGH. 12:30 p.m.

Medical Genetics Seminar.
Intrauterine Development and Chromosomal Mosaicism. Drs. D. Kalousek and F. Dill. Fourth Floor Conference Room, Health Centre for Children, VGH. 1:00 p.m.

Geological Sciences Lecture.
The Hibernia Structure. Ron McKenzie, Mobil Oil, Calgary, Canadian Society of Petroleum Geologists Distinguished Lecturer. Room 330A, Geological Sciences Building. 2:30 p.m.

Continued on page 8

UBC CALENDAR

continued from page 7

Humanities and Sciences Lecture.
The Future as Fiction: Part one of a Discussion of Science Fact, Science Fiction, Science Fantasy. Dr. Theodore Roszak, California State University. $5.50; $4.40 for students. For information, call 228-2181. Lecture Hall 2, Woodward Instructional Resources Centre. 8:00 p.m.

UBC Varsity Basketball.
Dogwood Game. War Memorial Gymnasium. 8:30 p.m.

SATURDAY, OCT. 24

Humanities and Sciences Program.
A Day with Theodore Roszak. In Search of the Miraculous: Part two of a Discussion of Science Fact, Science Fiction, Science Fantasy. $33; $27.50 for students. For information, call 228-2181. Lecture Hall 6, Woodward Instructional Resources Centre. 10:00 a.m. to 4:00 p.m.

UBC Varsity Basketball.
Grad Game. War Memorial Gymnasium. 8:30 p.m.

SUNDAY, OCT. 25

Guitar Recital.
Michael Lorimer, guitar. For ticket information, call 228-3113. Recital Hall, Music Building. 8:00 p.m.

MONDAY, OCT. 26

Cancer Research Seminar.
New Serum Factors Which Regulate Hemopoiesis. Dr. Gerald Krystal, Terry Fox Laboratory. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12:00 noon.

Mechanical Engineering Seminar.
Combustion Processes in the Methane Fuelled Engine. L.E. Gettel and C. Perry of Alternate Fuels Laboratory. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.
A New Look at the Theory of Thin Elastic Plates. Prof. Eric Reissner, Applied Mechanics & Engineering Science, University of California at San Diego. Room 104, Mathematics Building. 3:45 p.m.

Management Science Seminar.
Prof. M. Puterman, Commerce, UBC. Penthouse, Angus Building. 3:30 p.m.

Biochemical Discussion Group Seminar.
Metabolism of a Novel Dinucleoside Polyphosphate (HS3): Possible Regulation of Nucleic Acid Biosynthesis by HS3 During Step-Down Growth Conditions. Dr. Swee Han Goh. Lecture Hall 4, Woodward Instructional Resources Centre. 4:30 p.m.

C.A.U.S. Lecture.
Alternative Theories on the Study of Life. Dr. G. Parker, Institute of Creation Research, El Cajon, California; and Dr. D. Chitty, professor emeritus, UBC. Lecture Hall 2, Woodward Instructional Resources Centre. 7:30 p.m.

TUESDAY, OCT. 27

Cecil and Ida Green Lecture.
The Basis of Altruism. Dr. Peter Singer, Monash University, Australia. Room 104, Angus Building. 12:30 p.m.

Freesee Film Series.
Inventing A Nation, the fourth in a series with the general title America — A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Botany Lecture.
Ethnobotany of South American Psychoactive Plants. Andrew T. Weil, Research Fellow of the Harvard Botanical Museum. Room 3219, Biological Sciences Building. 12:30 p.m.

Oceanography Seminar.
Baroclinic Waves and Fish. L.A. Mysak, Mathematics and Oceanography, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

Museum of Anthropology.
Planning Your First Visit. Madeline Bronsdon Rowan, curator of education/ethnology. Fee is $2. Museum of Anthropology. 4:00 p.m.

Chemistry Seminar.
Electron-Transfer Chemistry of Flavins. Dr. David A. Armstrong, Chemistry, University of Calgary. Room 126, Chemistry Building. 4:30 p.m.

International House.
Film Series '81. Slide Presentation on Russia by Bruce Bennett. Room 400, International House. 7:30 p.m.

WEDNESDAY, OCT. 28

Pharmacology Seminar.
Slow Synaptic Inhibiton: Ionic Mechanisms and the Role of Cyclic Nucleotides. Dr Peter Smith, Pharmacology, University of Alberta. Room 114, Block "C", Medical Sciences Building. 12:00 noon.

Wednesday Noon-Hour Concert.
Music of Berry, Morawetz, Chatman, Weisgarber. Ronald de Kant, clarinet, and Jane Coop, piano. Recital Hall, Music Building. 12:30 p.m.

Geography Seminar.
Solar Energy: Its Spatial Variability Over Vancouver (Or, How Sunny Is 'Sunny Tsawwassen'?) Dr. John E. Hay, Geography, UBC. Room 201, Geography Building. 3:30 p.m.

Chemical Engineering Seminar.
Anerobic Biofilms. P. Fryer. Room 206, Chemical Engineering Building. 3:30 p.m.

Statistics Workshop.
Markov Chain Games, Con Games, and Miscellany. Prof. Larry Clevenson, California State University, Northridge. Room 214, Geography Building. 3:30 p.m.

Geophysics and Geological Sciences Seminar.
Seismic Stratigraphy. Wes Hatlelid, Esso Resources Canada, Calgary. Room 260, Geophysics and Astronomy Building. 4:00 p.m.

Biophysics Seminar.
An Overview of Medical Imaging Research. Dr. A.E. Burgess, Diagnostic Radiology, VGH. Room 201, Hennings Building. 4:00 p.m.

Faculty Recital.
Music of Weisgarber. Song Cycles. Elliot Weisgarber, composer, Audrey Borschel, soprano. Recital Hall, Music Building. 8:00 p.m.

THURSDAY, OCT. 29

Faculty Recital.
Music of Beethoven, Wolf, Strauss, Poulenc. Donald Brown, lyric baritone and James Manson, piano. Recital Hall, Music Building. 12:30 p.m.

Cecil and Ida Green Lecture.
Ethics and Sociobiology. Dr. Peter Singer, Monash University, Australia. Room 104, Angus Building. 12:30 p.m.

Burgess-Lane Memorial Lecture.
Timber Supply Management in British Columbia: Past, Present and Future. William Young, Chief Forester, British Columbia Ministry of Forests. Room 166, MacMillan Building. 12:30 p.m.

Resource Management Science/Soil Science Seminar.
The Development of Agricultural Underdevelopment: A Case Study of Marginalized Farming in a Cape Breton Community. Dr. P.J. de Vries and G. MacNab-de Vries, Sociology and Anthropology, Concordia University, Montreal. Room 154, MacMillan Building. 1:30 p.m.

Condensed Matter Seminar.
Scaling Concepts in Polymer Diffusion. Paul Callaghan, Massey University. Room 318, Hennings Building. 2:30 p.m.

Lectures Committee Lecture.
The Origin of Epicurus's Concept of the Void. Prof. Brad Inwood, Philosopher, Mellon Fellow, Stanford University. Room 154, Buchanan Building. 3:30 p.m.

Physics Colloquium.
Microtel Pacific Research — A Growing Presence in British Columbia. J.C. Madden, President, Microtel Pacific Research, Burnaby. Room 201, Hennings Building. 4:00 p.m.

Zoology Seminar.
The Ecology and Evolution of Dragons. Dr. C. Lindsey, Institute of Animal Resource Ecology, UBC. Room 2000, Biological Sciences Building. 4:30 p.m.

UBC Wind Symphony.
Music of Wagner, Barber, Bartok and Husa, directed by Martin Berinbaum. Old Auditorium. 8:00 p.m.

AMS Presentation.
An evening with Graham Chapman of Monty Python. For information, call 228-5336. Ballroom, Student Union Building. 8:00 p.m.

FRIDAY, OCT. 30

UBC Wind Symphony.
Music of Wagner, Barber, Bartok and Husa, directed by Martin Berinbaum. Repeat program of Oct. 29. Old Auditorium. 12:30 p.m.

Lectures Committee Lecture.
Stoic Fatalism. Prof. Brad Inwood, Philosophy, Mellon Fellow, Standford University. Room 100, Buchanan Building. 12:30 p.m.

Developmental Medicine Seminar.
Fluctuations in Fetal Oxygen Consumption. Dr. Dan Rurak, Centre for Developmental Medicine. First Floor Seminar Room, Willow Pavilion, VGH. 12:30 p.m.

Medical Genetics Seminar.
Movie: *A Family with a Down Syndrome Child*. Fourth Floor Conference Room, Health Centre for Children, VGH. 1:00 p.m.

Faculty Club Family Dinner.
Halloween Buffet. $7.50 per person; free for children under 4. Reservations required. Faculty Club. 5:00 p.m.

UBC Public Affairs.
The Middle East After Sadat. Dr. Michael Wallace, Political Science, UBC and Dr. Fritz Lehmann, History, UBC, with host Gerald Savory, Centre for Continuing Education. Program will be repeated Friday, Nov. 6 at 7:30 p.m. Channel 10, Vancouver Cablevision. 7:30 p.m.

SATURDAY, OCT. 31

UBC Varsity Basketball.
Dogwood Game. Continues Saturday, Oct. 31. War Memorial Gymnasium. 8:30 p.m.

Notices . . .

Special Law Lecture

On Oct. 15 at 12:30 p.m. J. Alan Beesley, Q.C., Canadian Ambassador to the Law of the Sea Conference, will be speaking on The United Nations Conference on the Law of the Sea: Success or Failure? Rooms 101/102, Law Building.

St. John Ambulance CPR Course

Basic Level I Cardiopulmonary Resuscitation is being offered to UBC students. The CPR course costs $15 and will held Saturday, Nov. 28, 9 a.m. to 1 p.m. in Lecture Hall 4 of the Woodward Instructional Resources Centre. Registration is Oct. 19 and 20 from 12:30 to 2:30 p.m. in the Instructional Resources Centre Mall.

Faculty/Staff Exercise Class

Exercise classes for faculty and staff, men and women, will be held Mondays, Wednesdays and Thursdays from 12:30 to 1:05 p.m. in Gym E of the Osborne Centre beginning Sept. 21. Instructor is S.R. Brown. Fee is $30, which includes a membership in Recreation UBC. For more information, call 228-3996.

CITR

100.1 on cable fm

Wednesday, Oct. 14
3 p.m. *Still Ain't Satisfied*. Linda Reid talks to Sally Brisebois about the UBC Women's Centre.

Thursday, Oct. 15
3 p.m. *Cross Currents*. Tony Charles and staff take a look at PIRG and Public Interest Research in general.
5 p.m. *Thunderbird Sports Report*. Kent Westerberg and staff take a look at intercollegiate and intramural sport at UBC.

Friday, Oct. 16
3 p.m. *Dateline International*. Indonesian politics are the focus. Produced by Dan Tidball.

Saturday, Oct. 17
3 p.m. *Behind Four Walls*. Ian Timberlake takes a look at the office of the Rentalsman. Interview with the rentalsman, Mr. Jim Patterson.
4:30 p.m. *Making Waves*. CITR News Director Joe March looks at Holistic Medicine. Interviews with BCMA, AMA, and Dr. R.W. Rowatt.

Sunday, Oct. 18
4:30 p.m. *Laughing Matters*. Joe March and Jerry Eberts take a comical look at children. Lenny Bruce, W.C. Fields, the Marx Bros., and Richard Pryor are featured.

Monday, Oct. 19
3 p.m. *The Melting Pot*. Mike Mines talks to UBC graduate student Hope McEwan of the Psychology department about Memory and Eyewitness Memory.
4:30 p.m. *Making Waves*. Don Plant talks to Al Soroka about the Committee Against Racist and Fascist Violence.

Tuesday, Oct. 20
3 p.m. *Gay Issues*. An introduction to gay issues at UBC.
5 p.m. *Thunderbird Sports Report*. Kent Westerberg and staff take a look at intercollegiate and intramural sport at UBC.
9 p.m. *Airstage*. Radio Drama comes to CITR! Written by R. Graeme Cameron of the UBC Creative Writing department and produced by Joe March and the CITR players. *Job Odyssey* is featured.

Wednesday, Oct. 21
3 p.m. *Still Ain't Satisfied*. Women's self-defence is the topic. Linda Reid and staff talk to Wendy McPherson about Wen Do.

Thursday, Oct. 22
3 p.m. *Cross Currents*. Tony Charles and staff deal with the sticky issue of the state of the Fraser River. Interviewed are representatives of UBC's Westwater Research Centre.
5 p.m. *Thunderbird Sports Report*. Kent Westerberg and staff.

Friday, Oct. 23
3 p.m. *Dateline International*. Producer Rob Simms takes a look at the state of the Commonwealth.

Saturday, Oct. 24
3 p.m. *Beyond Four Walls*. Ian Timberlake asks the question "Are rental regulations true or false?"
4:30 p.m. *Making Waves*. Patricia Holm takes a look at the rebirth of Creationism in B.C. Interviewed are representatives from the Vancouver School Board and the B.C. Society for Creationism.

Sunday, Oct. 25
4:30 p.m. *Laughing Matters*. Jerry Eberts and Joe March take a look at comical music. Featured are Monty Python, Neil Innes, the Beatles, the Goodies, and Rusty Warren.

Monday, Oct. 26
3 p.m. *The Melting Pot*. Mike Mines talks to Physical Education professor Robert Schultz about people's attitudes towards physical education.
4:30 p.m. *Making Waves*. Jill Dougan puts student loans into perspective. She talks to Byron Hender, head of Student Awards at UBC and people from the Toronto Dominion Bank.

Tuesday, Oct. 27
3 p.m. *Gay Issues*. Gay issues at UBC. Produced by the UBC Gay Club.
5 p.m. *Thunderbird Sports Report*. Kent Westerberg and staff.
9 p.m. *Airstage*. Featured is *The Wanderer*, a play written by UBC Creative Writing department's Nigel E. Findley. Produced by Joe March and the CITR players.

Wednesday, Oct. 28
3 p.m. *Still Ain't Satisfied*. Linda Reid and her staff take a look at Feminism as taught at UBC.

Thursday, Oct. 29
3 p.m. *Cross Currents*. Tony Charles and staff talk about the state of B.C. Hydro and related issues.
5 p.m. *Thunderbird Sports Report*. Kent Westerberg and staff.

Friday, Oct. 30
3 p.m. *Deadline International*. Dave Martin's World Update is featured.
7:30 p.m. *Thunderbird Football*. Thunderbirds vs. University of Calgary. Joe March has play by play. Phil Keeber and Rocket Ron Burke add the color.

Saturday, Oct. 31
3 p.m. *Behind Four Walls*. Rental issues in perspective. Rentals and the UBC student.
4 p.m. *Making Waves*. Sonny Wong talks about Pay TV in Canada with representatives from Western Cablevision, the CRTC, and the UBC Theatre department.

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