UBC REPORTS

Volume 28, Number 5 February 3, 1982

Board hikes tuition, puts $921,000 more into aid for students

Increases in student tuition fees averaging 32.8 per cent were approved Jan. 26 by the UBC Board of Governors.

The higher fees will bring in an additional $5.1 million to the University in 1982-83, of which almost $1 million will be spent on increased financial aid to needy students. More than 1,200 additional bursaries of $750 will be available, representing an increase in student aid of 46.1 per cent.

"Our objective is that no student who is academically qualified should be prevented from attending this University because he or she can't afford to come," Board chairman Leslie Peterson, QC, said following the Jan. 26 Board meeting.

UBC president Douglas Kenny said he does not expect enrolment to fall next September because of the higher tuition fees.

"Even with this increase, tuition fees at UBC will still be comparatively low," Dr. Kenny said, noting that the 1981-82 fees at the University of Toronto are higher than UBC's 1982-83 fees.

And the UBC president once again called upon the provincial government to consult with the universities and establish some long range objectives for the university system in B.C., saying that fiscal and academic planning on a year-to-year basis "is like living in an Alice in Wonderland world."

Dr. Kenny noted that the University's next fiscal year begins on April 1, "and yet we will be lucky if we know by then what our operating grant will be for the year."

Although the average increase at UBC is 32.8 per cent, the tuition fee for the first year of the Bachelor of Arts, Bachelor of Education and Bachelor of Science programs goes up only 29 per cent, to $840 a year from $650. Medical students will pay the highest fees at UBC, $1,450. They pay $1,050 this year.

Expressed as a percentage of the University's net operating budget, next year's revenue from tuition fees will be approximately 9.5 per cent of a budget expected to be about $220 million. Tuition fee revenue this year represents only 8.7 per cent of the operating budget. Ten years ago, tuition fees accounted for more than 15 per cent of UBC's budget.

The tuition fee schedule approved by the Board of Governors was originally proposed on Jan. 13 by an advisory committee on retrenchment that was appointed last September by President Kenny. The increase of 32.8 per cent was subsequently endorsed unanimously by the Senate Budget Committee.

To meet a continuing shortfall of $7.48 million for 1982-83 and beyond, the retrenchment committee

Please turn to page 2
See FEES

Appointments approved by Board

UBC's Board of Governors has approved the appointment of a new head for the medical school's Department of Biochemistry and the reappointment of Prof. Warren Kitts as dean of the Faculty of Agricultural Sciences for a second term of office.

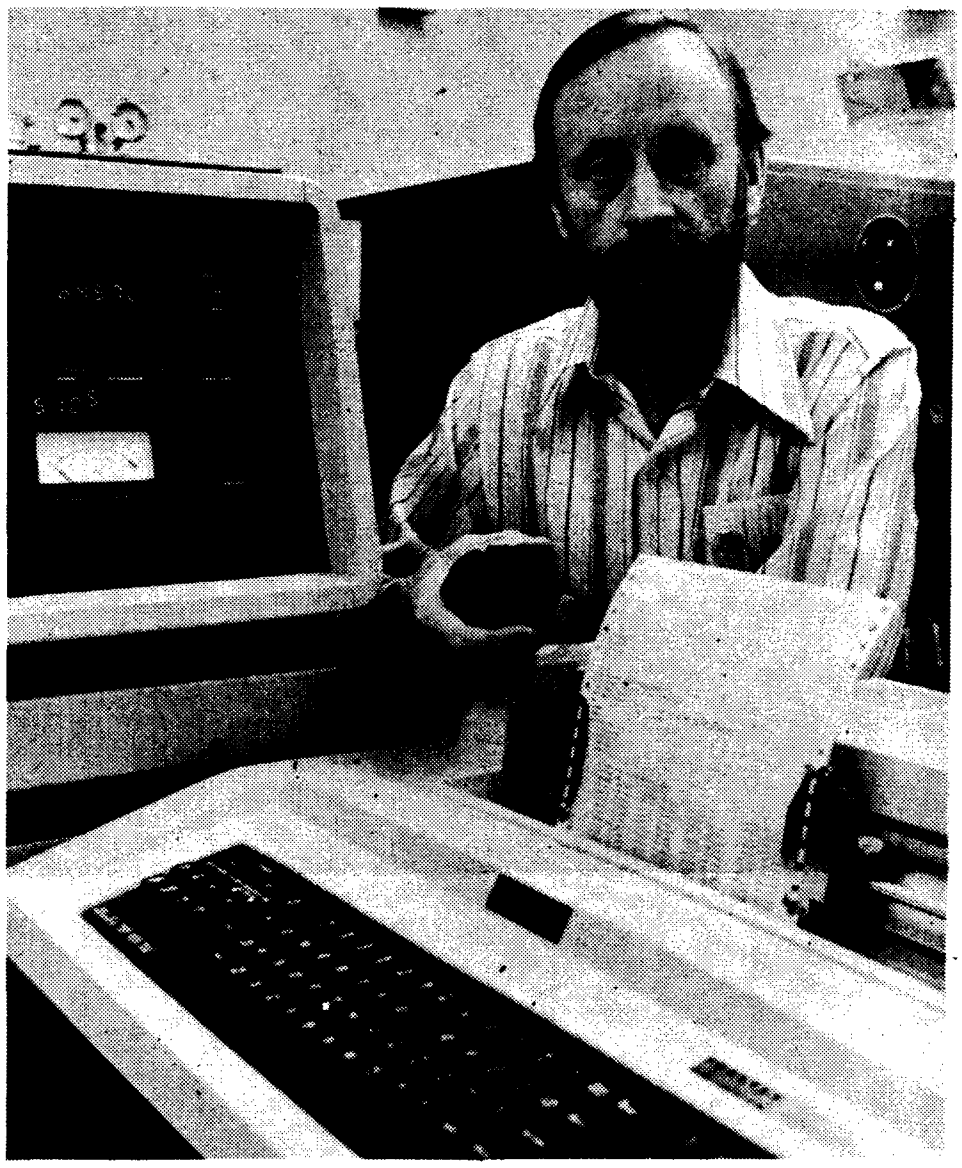
The new head of biochemistry is Dr. Dennis E. Vance, who joined the UBC faculty in 1973 and who is currently on leave of absence from the University to undertake research in the Division of Metabolic Diseases of the University of California at San Diego.

Dr. Vance, who will take up his appointment on July 1, currently holds research grants from the B.C. Heart Foundation, the Medical Research Council of Canada and the U.S. National Institutes of Health for research on serum lipids, fatty substances found in the bloodstream.

Dean Kitts, who has been a member of the UBC faculty since 1953, was first appointed dean of agricultural sciences in 1976 after heading the faculty's animal science department for nine years. His second term as dean runs from July 1 this year to June 30, 1988.

A native of North Vancouver and a UBC graduate, Dean Kitts has been honored on a number of occasions by professional organizations for his work on animal nutrition and physiology. He is currently chairman of the panel which advises Canada's Natural Sciences and Engineering Research Council on the award of strategic grants for food and agriculture research.

Dean Joseph Gardner, head of UBC's Faculty of Forestry since 1965, has submitted his resignation as dean, effective June 30, 1983. He will continue as a forestry professor for one year beyond his resignation date, when he reaches retirement age.



Prof. Stephen Calvert, head of UBC's Department of Oceanography, holds a manganese nodule estimated to be some 20 million years old. He's analysing nodules, dredged up from the North Pacific seabed, for their nickel and copper content in a $275,000 x-ray emission spectrometer. He's one of 21 UBC faculty members who have been awarded more than $2 million by Canada's Natural Sciences and Engineering Research Council for projects of national concern. For more on the grants, see story on page 4.

Inflation outstripped earnings

UBC students earned more money last summer than in the summer of 1980, but the increase in income was well below the increase in the cost of living.

A report issued by the UBC Student Counselling and Resources Centre shows that the median income for undergraduate men in 1981 was $3,678, an increase of only $127 over the 1980 median summer earnings. Undergraduate women earned a median amount of $2,551, an increase over 1980 of $82.

Some other points from the report:

- Some 83 per cent of students registering at UBC for the 1981-82 winter session reported that they had sought employment in the summer of 1981.
- 99 per cent of those seeking employment obtained it.
- The median number of weeks worked was 13.3 (men — 13.6, women — 13).
- Male students in forestry ($5,125), applied science ($4,591), architecture ($4,416) and agriculture ($4,375) reported the highest median earnings. Among female students, the highest summer earnings were reported by those in applied science ($4,033) and forestry ($4,000).
- Male undergraduates reported mean savings of $2,489, an increase of $214 from 1980. The mean savings of female undergraduates was $2,106, an increase of $132 from the 1980 mean. Both men and women reported saving 62 per cent of their earnings.
- Few independent students (only 19 per cent of the men and 7.5 per cent of the women) earned enough to finance their education from summer earnings.
- 31.4 per cent of the students (35.1 per cent of the women and 28.1 per cent of the men) reported that they had a part-time job for the 1981-82 session.

Fees

continued from page 1

recommended cuts in faculty and non-faculty budgets and an increase in tuition fees. With the new fee schedule, the student share of the shortfall will be $2.27 million. Cuts in faculty budgets will account for $1.93 million, and non-faculty budgets will be trimmed $3.28 million.

The increase of 32.8 per cent will also be applied to spring and summer session courses at UBC, and to correspondence and special courses. The fee for a 3-unit correspondence or spring or summer course rises to $210 from $156.

Total tuition fee revenue for 1982-83 at UBC is estimated at $20.88 million, an increase of $5.16 million over 1981-82. Of this additional income, $921,000 wil be spent on increased student aid, $1.96 million will go to offset inflation (estimated at 12.5 per cent) and the remaining $2.27 million will help with the University's shortfall of $7.48 million.

President Kenny's advisory committee on retrenchment put forward two proposals on tuition fees, alternative one calling for an increase of 29.5 per cent and alternative two suggesting 32.8.

The committee noted that if the Board opted for 32.8 per cent, then additional funds of $435,100 would be available to help with the $7.48 million shortfall. It recommended that this be used to lower the proposed assessments against the Library, Computing Centre and Research Committee grants. Original proposed cuts in those areas were $564,000, $290,00 and $1 million, respectively.

UBC TUITION FEES

Fulltime Winter Session	Present (Not including AMS or other student-levied fees)	1982-83
Agricultural Sciences		
B.Sc. (Agriculture)		
1st year	$ 695	$ 985
2nd and 4th years	725	1050
3rd year (including field trip)	865	1250
B.L.A.		
1st year	695	985
other years	725	1050
Applied Science		
Architecture	850	1150
Engineering	850	1150
Nursing - 1st year	650	885
other years	695	950
Arts		
B.A., B.F.A.		
1st year	650	840
other years	670	875
B.H.E.		
1st year	650	840
other years	670	875
Diploma Programs	670	875
Librarianship (M.L.S. and M.A.S.)	770	1050
Music	850	1200
Social Work		
3rd and 4th years	670	900
5th year (concentrated)	700	985
Commerce and Business Administration		
1st year	695	950
other years (B.Com.)	820	1100
Licentiate in Accounting	820	1100
Dentistry		
D.M.D.	1050	1450
Dental Hygiene	820	1075
Diploma Programs	1060	1465
Education		
B.Ed. - 1st year	650	840
other years	670	875
Diploma and Teacher Training	670	875
Industrial Education (sponsored program)	25	35
B.P.E. - 1st year	677	900
other years	695	925
B.R.E. - 1st year	677	900
other years	695	925
Forestry		
1st, 2nd and 4th years	820	1050
3rd year (including field trip)	1095	1350
Law	820	1100
Medicine		
M.D.	1050	1450
Residents and Interns	75	100
Rehabilitation Medicine		
2nd and 3rd years	695	975
4th year	705	985
B.M.L.Sc.	820	1100
Pharmaceutical Sciences		
1st year	695	935
other years	820	1100
Science - 1st year	650	840
other years	670	875
Graduate Studies		
Doctoral Degrees		
1st year	935	1280
2nd year	700	958
3rd year	470	643
each subsequent registration	100	140
Master's Degrees		
1st year	935	1280
2nd year	470	643
each subsequent registration	100	140
12 month fee	935	1280
18 month fee	1170	1602
Candidate paying on a unit basis - per unit.	95	130
Master's Degree and Diploma in Dentistry		
Each year (3 years)	1060	1465
Each subsequent registration		
-Clinical Studies**	250	345
-Thesis	100	140

**Refund $172.50 if work completed in first term.

Part-time students (except Graduates Studies) Winter Session.		
per unit	48	64
Essay only	75	100
Spring and Summer Sessions		
3 unit course	156	210
2 unit course	104	140
1½ unit course	78	105
1 unit course	52	70
½ unit course	26	35
Change of course	7	7
Special course fees		
Biology 323	185	250
Biology 444	69 per unit	93
Chinese 180	470	632
Chinese 280	470	632
Japanese 180	470	632
Japanese 280	470	632
Music Education 400	85	114
Music 164	156	210
Guided Independent Study		
3 unit course	156	210
Refunds (i) within 30 days	133	178
(ii) within 60 days	94	126
(iii) within 90 days	57	73
(iv) after 90 days	0	0

Deadline near for awards

The deadline for submission of nomination forms for the UBC Alumni Associations' Alumni Award of Distinction and the Honorary Life Membership award is 4 p.m. on Feb. 12.

To be eligible for the Alumni Award of Distinction, a candidate must have a degree from UBC, must have achieved distinction in his or her chosen field, and must have made a contribution to that field of such significance that it will reflect upon the University.

Candidates for the Honorary Life Membership must have a degree from UBC, honorary or otherwise, must be a Canadian working in Canada, and should have at least 15 to 20 years experience in his or her field. The recipient must have a national or international reputation.

For more information about these awards, contact the UBC Alumni Association at 228-3313.

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).

March 1

- American Chemical Society: PRF — Research Type AC.
- AUCC: International Relations — Poland/Unesco Copernicus Fellowships.
- AUCC: International Relations — Poland/Unesco Fellowships in Slavonic Studies.
- B.C. Health Care Research Foundation — Development and Training Fellowship.
- B.C. Health Care Research Foundation — Research Grant.
- B.C. Health Care Research Foundation — Research Scholar Award.
- Banting Research Foundation — Research Grant.
- Canada Council: Explorations Program — Explorations Grant.
- Canada Israel Foundation for Academic Exchanges — Canadian Studies Program at Hebrew University.
- Canada Mortgage and Housing Corporation — Research Contract Type B (over $2,500).
- Donner Canadian Foundation — Research Grant.
- Huntington's Chorea Foundation (U.S.) — Research Grant.
- International Development Research Centre — Education Research Awards Program.
- Juvenile Diabetes Foundation (U.S.) — Research Grant.
- March of Dimes Birth Defects Foundation (U.S.) — Intensive Course in Maternal Nutrition.*
- Scottish Rite Schizophrenia Program — Research Grant (application).
- SSHRC: International Relations Division — Bilateral Exchange: China.
- SSHRC: International Relations Division — Travel to Int'l Scholarly Conferences.
- SSHRC: Strategic Grants Division — Canadian Studies: Research Tools.
- U.S. Department of Health, Education and Welfare — NIH Grants to Foreign Institutions.
- Von Humboldt Foundation (W. Germany) — Research Fellowship.
- Woodward's Foundation (Mr. and Mrs. P.A.) — Foundation Grants.

March 6

- University of British Columbia — UBC: Biely Faculty Research Prize.

March 12

- National Cancer Institute of Canada — Terry Fox Special Initiatives Program.

March 13

- University of Cambridge — Smuts Visiting Fellowship in Commonwealth Studies.

March 15

- Agriculture Canada — Extramural Research Grant.
- Bronfman Foundation — Seagram Business Faculty Award.
- Canadian Diabetes Association — Charles H. Best Fund.
- Health and Welfare Canada: NHRDP — NHRDP Research (Priority Themes).
- International Atlantic Salmon Foundation — Fellowship.
- Koerner, Leon and Thea Foundation — Foundation Grants.
- NSERC: International Relations Division — CIDA/NSERC Research Associates: LDC's.
- NSERC: International Relations Division — Exchange: France, Brazil, Czech, Japan, Bulgaria.
- NSERC: International Relations Division — International Collaborative Research.
- NSERC: International Relations Division — International Scientific Exchange Awards.
- Royal Geographical Society — Society Bursaries.
- Royal Society — The Royal Society Commonwealth Bursaries Scheme.

March 20

- Department of Education, Dublin, Ireland — Research Fellowship in Science and Engineering.

March 25

- National Institute of Education (U.S.) — NIE Research Grants.

March 26

- NSERC: Strategic Grants Division — Strategic — Open Areas.

March 31

- Arctic Institute of North America — Northern Studies Fellowship.
- North Atlantic Treaty Organization — International Collaborative Research.
- Science Council of B.C. — B.C. Science and Engineering Awards.
- SSHRC: Strategic Grants Division — Library: Strengthening of Specialized Collections.

**new grant*
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.

Job seminar on Feb. 4

If hunting for a job is looming ahead of you this spring, plan to attend the Employment Seminar being held on Feb. 4 by the student affairs committee of the UBC Alumni Association and Canada Employment.

The seminar, intended for graduating students, runs from 5:30 to 8 p.m. and will feature discussions, films and workshops on such topics as how to conduct a job search, how to contact employers and how to be successful in a job interview.

The seminar is free and takes place at Cecil Green Park. Space may be limited, so if you're planning to attend you should register early by phoning Florence Shaw at 228-3313.

Coffee and tea will be provided but bring your own 'brown bag' supper.

UBC attracts senior researcher from U.S.

A senior researcher from a major medical research centre in the U.S. has come to Vancouver to lead a research team into diseases involving the central nervous system.

Ron Krause (top), a second-year medical student and fourth-year commerce student Dave Dale were elected to serve a one-year term as student representatives on the UBC Board of Governors. They succeed Anthony Dickinson and Chris Niwinski.

Dr. Donald Brian Calne has been Chief of the Experimental Therapeutics Branch as well as Clinical Director of the National Institute of Neurological and Communicative Disorders and Strokes.

The Institute is one of many medical research groups organized under the umbrella of the National Institutes of Health at Bethesda, Maryland.

Dr. Calne will join the Division of Neurology in UBC's Department of Medicine which has received a grant of $160,000 a year for five years from the Dystonia Medical Research Foundation.

Under the grant Dr. Calne will head a team investigating dystonia, Parkinson's disease, Huntington's chorea and other brain disorders in which patients lose control over posture and body movement.

The Dystonia Foundation was formed four years ago and is extensively sponsored and supported by the Belzberg family of Vancouver. The Foundation has offices both in Vancouver and in Beverly Hills, California, and chapters throughout North America.

Main objectives of the foundation are to disseminate information about dystonia to patients and physicians, and to find a successful cure and treatment for it through research. This new grant by the Dystonia Foundation indicates its recognition of the importance of a multifaceted research program into all types of movement disorders, since a discovery in one area frequently has an impact on another.

A major attraction for Dr. Calne at UBC is the Positron Emission Tomography (PET) program now being developed at UBC with the collaboration of the TRIUMF cyclotron on UBC's south campus.

PET is one of the newest research devices available to neuroscientists. It provides a scan that shows what is happening in the brain in three dimensions, without operating on the brain and while the patient is fully conscious.

The only other PET in Canada is at the Montreal Neurological Institute. Installing one is usually enormously expensive because it requires a cyclotron as a source of short-lived isotopes used to trace the brain's activity. The PET project at UBC will take advantage of the existing TRIUMF cyclotron.

Dr. Calne received five degrees including his medical degree from Oxford University, England.

His neurological residency was done at the National Hospitals for Nervous Diseases in London where he was also house physician. For three years beginning in 1966 Dr. Calne was honorary senior registrar in neurology at University College Hospital in London.

Then followed four years as consultant neurologist at Hammersmith Hospital and the Royal Postgraduate Medical School in London before joining the National Institute of Neurological and Communicative Disorders and Stroke in Maryland.

New contract ratified

The Teaching Assistants' Union and University negotiators reached agreement on a new contract Jan. 20, averting a 24-hour strike that had been scheduled to start the next night.

The contract has since been ratified by the UBC Board of Governors and by the union membership (Local 2278 of the Canadian Union of Public Employees).

It gives the approximately 1070 teaching assistants a wage increase of 15 per cent, retroactive to Sept. 1, 1981. The contract expires Aug. 31, 1982.

Hourly rates for the teaching assistants now range from just over $7 an hour for undergraduates to just over $15 an hour for graduate TAs.

Membership in the union remains voluntary.

Engineering controls approved by Board

Proposals to control enrolment in engineering programs in the Faculty of Applied Science were approved last week when they were submitted to UBC's Board of Governors for a second time.

The proposals, which were first recommended by Senate to the Board last October, were rejected by the Board and sent back for reconsideration. Senate, in turn, referred the proposals back to the applied science faculty, which re-endorsed them and again had them approved by Senate at its December meeting.

The enrolment controls approved by the Board will limit overall enrolment in engineering programs to about 1,800 students (current enrolment is 1,725).

The faculty, in its rationale for the enrolment limitation, said its proposals were "a reflection of the faculty's ability to provide a quality engineering education."

The present available resources of the faculty are only adequate for a total of 1,400 students, the faculty said, and the proposed enrolment controls "will perpetuate the existing crisis experienced by the engineering departments."

The enrolment proposals are also designed to stream students into each of the nine engineering degree programs offered in applied science. This will be done by limiting second-year enrolment, with allocations into programs made according to student preferences and academic qualifications.

Associate dean of applied science Dr. Axel Meisen told the Board last week that some engineering degree programs were characterized by low enrolments and high demand for graduates.

He said the faculty would be doing a service to the province by steering students into low-enrolment areas where there was a high demand for graduates.

NSERC grants exceed $2 million

Twenty-one members of the UBC faculty have received first-time strategic research grants worth more than $911,000 from the Natural Sciences and Engineering Council of Canada (NSERC).

In addition, NSERC has renewed grants worth $1.4 million for some 50 faculty members to enable them to continue research begun up to two years ago.

Strategic grants are awarded for projects in the areas of communications, energy, environmental toxicology, food and agriculture and oceans. Grants are awarded to projects judged to be of "national concern."

Of the 21 receiving awards for the first time, the largest single grant has been made to Dr. Ronald M. Clowes, a UBC geophysicist who will use a total of $138,437 for the purchase of seismic equipment to enable him to study ocean sediments off the west coast of Vancouver Island and the Queen Charlotte Islands and in the Strait of Georgia.

His research is relevant to offshore petroleum exploration and had the support of Petro-Canada and Chevron Canada.

Dr. S.E. Calvert, the head of UBC's Department of Oceanography, has received a first-time grant of $48,820 plus a second installment of $100,000 for the purchase of a $275,000 x-ray emission spectrometer which will be used to analyse ferromanganese nodules dredged up from a depth of five kilometres in the North Pacific Ocean.

Dr. Calvert says the North Pacific Ocean floor is littered with "thousands of millions of tons" of the nodules. He will use the new spectrometer to analyse the nodules, some of them 20 million years old, for their nickel and copper content.

Dr. A.G. Fowler, the director of UBC's Computing Centre, has been awarded a first-time grant of $70,000 to work on development of an electronic mail system that will allow letters to be transmitted via computer.

He says the viability of such a system is increasing, largely as a result of escalating postage costs. Development of the system would enable home computers to transmit and receive letters.

Some other UBC faculty members who received first-time NSERC strategic grants and their projects are as follows:

Prof. J. Keith Brimacombe of Metallurgy gets $47,300 for a study on rotary kiln firing using pulverized coal or oil.

Prof. James Kutney, Chemistry, and Prof. C.E. Townsley, Food Science, were awarded $60,000 for development of plant tissue and cell culture fermentations to produce pharmaceutically important products.

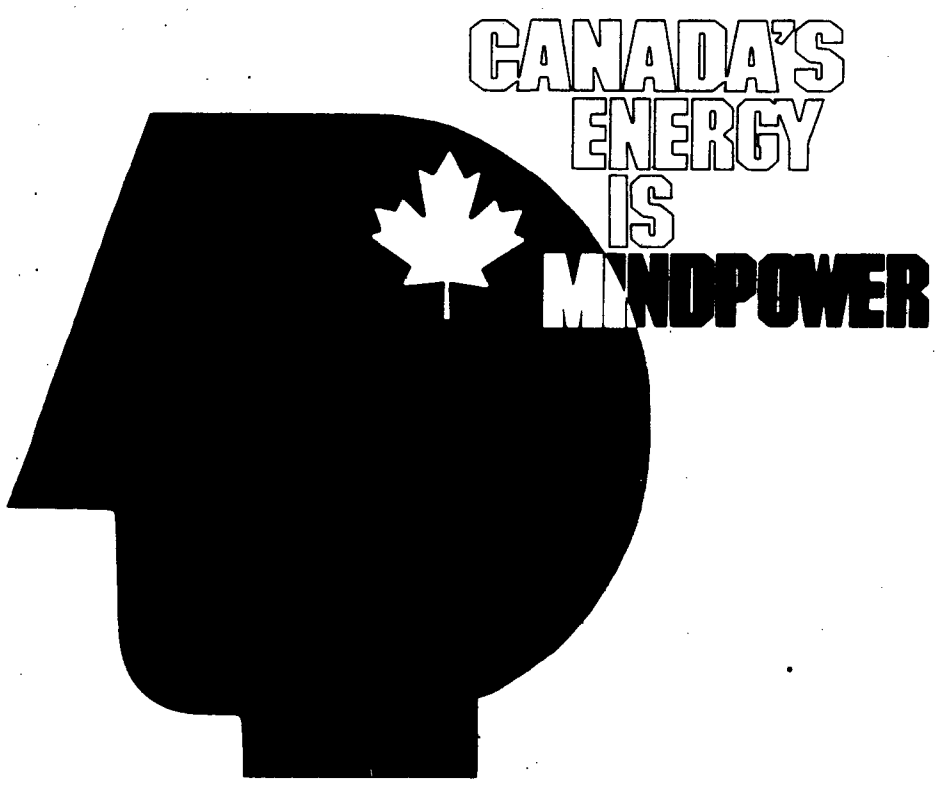
Prof. Beryl March of poultry science gets $45,000 for studies of stress and efficiency of protein utilization in growing chickens.

Dr. Jochen Meyer and two colleagues in the Department of Physics have been awarded $61,750 for laser research.

Prof. R.D. Russell and Dr. Tomiya Watanabe, both of Geophysics, receive $52,344 for geophysical instrumentation.

Dr. M.A. Tung of Food Science gets $39,950 for research on a thermal processing system.

Make higher education your priority.



Amnesty UBC seeks funds

Amnesty UBC, a campus branch of the world-wide human rights organization Amnesty International, has launched a major fundraising campaign.

Faculty members will receive a letter describing AI's work and asking for donations. Amnesty UBC President Horacio de la Cueva explained that in order to remain politically independent, the volunteer organization is forced to raise money in this way, rather than by appealing to governments or major corporations.

Fifty per cent of the money raised will go to Amnesty International's Ottawa and London offices for continuing research so vital to the organization's work on behalf of "prisoners of conscience." The other half will support the activities of Amnesty UBC on campus, helping to pay for information campaigns such as the Week for the Disappeared in February, postage and duplicating costs for the 30 to 40 form letters signed each Friday at the Amnesty information table in SUB, and improvements to an already extensive library of human rights literature.

Included with the letter is a membership form for any who are interested in getting more involved. "In the past," de la Cueva said, "faculty members may have felt unwelcome because the group is affiliated with the AMS and its members are mostly students, but we'd like to change that. Human rights is an issue that touches the whole University community and faculty participation would certainly add to our effectiveness," he said.

The Amnesty UBC office and library (SUB 230d) are open weekdays at noon.

CAMPUS PEOPLE

Dr. Roy Taylor, director of the UBC Botanical Garden, was elected Secretary of the International Association of Botanical Gardens when the association met recently in Canberra, Australia. Dr. Taylor will serve as secretary for the next four years.

★

Prof. Indrajit Desai of the human nutrition division of UBC's School of Home Economics was the recipient of the 1981 Pediatric Research Award of the Brazilian Pediatric Society for his research publication entitled "Vitamin E in Placental Intervillous Blood and its Interrelationship to Maternal and Newborn Levels of Vitamin E." Prof. Desai has been conducting collaborative research for the past four years at the University of Sao Paulo Medical School in Brazil under the auspices of the International Scientific Exchange Program of the Natural Sciences and Engineering Research Council of Canada and the National Research Council of Brazil.

★

Recent appointments at UBC include those of Janet Land as assistant co-ordinator of the Office of Co-operative Education and Internships, and Mary Flores as acting director of the Department of Student Housing and Conferences. Ms. Lund comes to UBC after ten years in private industry and with the provincial and federal governments. Ms. Flores is the residence administrator in the student housing department, and will continue in that role in addition to taking on her new duties.

★

Dr. Peter Oberlander, director of the Centre for Human Settlements at UBC and a professor of planning, spent part of the Christmas recess in Nigeria on work for the government of Nigeria.

Nigeria has decided to build a new national capital in Abuja, in the interior of the country, and sought independent help and advice on site development and housing policy. The United Nations called upon Dr. Oberlander, who subsequently reported to the UN Centre for Human Settlements in Nairobi and to the Nigerian government.

Abuja, the geographic centre of Nigeria, is expected to have a population of 1.5 million people by the end of the century.

Facing TV cameras and newspaper reporters last week in the Council Chamber of the Student Union Building were Captain Richard Truly, left, and Colonel Joe Engle, the pilot and commander respectively of the space shuttle Columbia, which flew its second mission in space in November, 1981. The astronauts spent an hour on the campus Jan. 25 to show film of last year's flight and answer questions from an enthusiastic student audience, mostly engineers. A feature of the second Columbia mission was the testing of the Canadarm, the shuttle's $100 million manipulator arm developed by Canada's National Research Council. Engineering Undergraduate Society president Lance Balcom presented the astronauts with red Engineer's jackets during their UBC visit.

Bank of Montreal sets up new chair in Commerce

The Senate of the University of B.C. has approved establishment of the Bank of Montreal Chair in International Finance associated with the University's Faculty of Commerce and Business Administration.

The dean of the faculty, Dr. Peter A. Lusztig, said the bank's gift will provide research support for a professor who is to be appointed to the chair later this year. He also noted that for the past several years studies and research in the area of international business, including international finance, have received priority within the faculty.

The first of two contributions was officially turned over to the University on Jan. 21 by Stan Davison, vice-chairman of the bank and its senior executive officer in Western Canada. The cheque was received on behalf of UBC by President Douglas T. Kenny. B.C. directors, senior officials of the bank and UBC faculty were in attendance.

"No one appreciates more than a university president that it is extremely difficult for Canadian universities to attract and hold distinguished scholars in business administration, as well as other professional fields, without offering research support over and above salary," Dr. Kenny said. "This type of support is seldom possible today from university budgets and can only be provided through the vehicle of endowed chairs.

"The University of British Columbia is grateful to the officers and directors of the Bank of Montreal for their recognition of UBC's Faculty of Commerce and Business Administration in this very concrete way."

William D. Mulholland, chairman and chief executive officer of the Bank of Montreal, said in a statement that the bank "is particularly pleased to be able to assist UBC with support for education in the field of international finance.

"Canada is more dependent upon international trade than many other countries," he noted. "We hope the Bank of Montreal Chair in International Finance will help to encourage young people to take a greater interest in the prospects for interesting and rewarding careers in international business."

Dean Lusztig noted the significance of national organizations increasingly coming to recognize UBC's Faculty of Commerce and Business Administration as a national resource.

Chairs in the Faculty of Commerce involve endowments of between $100,000 and $900,000, the larger ones covering faculty salaries as well as providing support for research.

The Bank of Montreal Chair in International Finance is the seventh endowed chair in Commerce at UBC in the past three years, and is the eighth in the faculty overall.

Max Bell Foundation backs UBC projects

The Max Bell Foundation of Toronto has approved three grants totalling $628,500 to support projects in the Faculty of Law, the Institute of Asian Research and the Westwater Research Centre at UBC.

The funds will support development of Japanese legal studies, finance a two-year research project on "Canada and the Changing Economy of the Pacific Basin" in Asian research, and enable Westwater to complete studies for a book on managing the resources of Canada's Pacific coast.

The foundation was established under the will of the late Max Bell, Canadian businessman and publisher. The foundation approves funding for projects in the areas of Canada and the Asian Pacific, health services, the media, oceans and inland waters, physical fitness and sport and veterinary medicine.

The $300,000 grant to UBC's Institute of Asian Research will support seven studies focussing on major components of Canada's economic relationships with the countries of the Pacific and Asia.

Research topics include the flow of investment capital among Pacific Rim countries as seen in real estate investment in Vancouver, Hong Kong and Singapore, the effect of economic growth in the Pacific basin on potential growth in B.C. and Alberta, the implications for Canada of co-operation agreements and joint venture contracts in China, the economic contribution of East Indians to B.C., and an analysis of Japan-Western Canada economic relations in relation to potential impact on regional development.

Nine UBC faculty members from economics, commerce, community and regional planning as well as the Institute of Asian Research will be involved in the research studies. A member of the geography department of Simon Fraser University is also a participant in the project.

A grant of $275,000 to the Faculty of Law will foster the development of Japanese legal studies over a three-year period.

The grant has enabled the appointment of Prof. Malcolm Smith to the law faculty as director of Japanese legal studies and provides for research projects by ten members of the law faculty comparing selected areas of Canadian and Japanese law and legal institutions, with special emphasis on the legal aspects of Canadian and Japanese business and economic relations.

Prof. Smith, who formerly headed the Japanese law program at Monash University in Australia, is currently a visiting professor of law. His permanent appointment to the UBC faculty is effective July 1, 1982.

The research projects include a study of the Japanese approach to law and legal concepts, comparative studies of Japanese and Canadian law in such areas as the environment, labor, commerce, securities regulation, the rights of indigenous people and condominiums and housing.

Dean of Law Kenneth Lysyk said the foundation grant will enable UBC to "develop a program that is not only without parallel in Canada, but one which has the potential for making UBC a major North American centre for Japanese legal studies."

The $53,500 grant to the Westwater Research Centre will provide it with the "invaluable opportunity to synthesize results from a coastal resource management project carried out over the past five years and define priorities for completing the program over the next three years," according to the centre's assistant director, Anthony Dorcey.

Over the next six months, foundation funding will be used to produce a book tentatively titled "Governing Canada's Pacific Coastal Resources: Opportunity and Peril," which will draw on a number of studies already completed by centre personnel.

These include case studies on Fraser River estuary management, salmon protection and the B.C. forest industry and offshore oil and gas exploration and development.

Fight against crime moves into SUB

RCMP personnel and the five student members of the Crime Prevention Project, a group established last summer, will be manning information booths and putting on demonstrations in the Student Union Building next week as part of Crime Prevention Week (Feb. 8-12).

Slide presentations and displays will be set up in SUB from 9 a.m. to 4 p.m. each day, and RCMP personnel will be on hand for engraving of valuables.

Lunchtime activities planned for the week (in the SUB lobby) are radar demonstrations (Monday and Thursday), breathalyzer demonstrations (Tuesday and Friday), and on Wednesday in SUB 212 there will be a debate "Be it resolved that the police be authorized to pay informers for information leading to the detection and prevention of crime."

A talk on "Prohibited Weapons and Soft Body Armour" will take place in Place Vanier residence (Monday at 7:30 p.m. in the Shrum Lounge) and Totem Park residence (Tuesday at 7 p.m. in the north ballroom).

If you'd like more information about Crime Prevention Week, contact Sergeant Hardy, RCMP, at 224-1322.

Museum volunteer Joan Goodall dies

Joan Goodall, a founding member of the UBC Museum of Anthropology's Volunteer Associates, died suddenly on Jan. 18, at the age of 65.

Miss Goodall devoted much time and energy to the formation and growth of the volunteer associates, a group which works closely with staff in all departments of the museum. She brought to the museum extensive knowledge gained from working and travelling in many areas of the world and contributed significant pieces to the museum's Northwest Coast Indian and Asian collections.

NEW AWARDS

The following student awards were approved at the January meeting of 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.

Mary L. Bollert Bursary Fund — To honor the memory of the late Mary L. Bollert, first Dean of Women at the University of British Columbia, women graduates of the University and members of Miss Bollert's family have established a fund to assist women students. Bursaries to a total of approximately $400 per annum will be awarded in consultation with the Women Students' Office. (Please note that this award will be made available in the 1982/83 winter session.)

Brissenden Prize in Art Education — A prize of $250 will be awarded to the student in Education 425 or Education 404 who produces the best project designed for the teaching of some aspect of the art of B.C. This award will be made in October of each year on the recommendation of the department.

Brissenden Scholarship in Art Education — A scholarship of $500 will be awarded to a student enrolled in ARTE 441 (Art Education Theory and Research) who submits the best proposal for a project designed to develop for pupils a further understanding of art in B.C. This award will be made in April of each year on the recommendation of the department. (Please note that this award will be available in the 1981/82 winter session.)

Chevron Fellowships in Oceanography — A fellowship in the amount of $8,000 has been made available by Chevron Canada Limited, Vancouver, and Chevron Standard Limited, Calgary, to a graduate student in the Department of Oceanography. The award will be made on the recommendation of the Department of Oceanography to a student entering the first year of the program. Two additional fellowships of $1,000 each are available for students to help defray costs during the early part of the graduate program. (Please note that these fellowships will be made available for the 1981/82 winter session.)

Coopers & Lybrand — Donald McLean Anderson Memorial Scholarship — A scholarship of $750 has been established in memory of Donald McLean Anderson. This scholarship will be awarded annually to a student who has completed, with high academic standing, his or her third year of study in the Faculty of Commerce and Business Administration, and is entering the final year of the Accounting and MIS option. The successful applicant will be one who, in the opinion of the faculty, most clearly shows consistent general academic achievement throughout his or her three years, but with special emphasis in accounting. (Please note that this award will be made available for the 1982/83 winter session.)

Coopers & Lybrand Service Scholarships — Two scholarships of $1,000 each will be given annually by Coopers & Lybrand, Chartered Accountants, to students who have completed three years of study in the Faculty of Commerce and Business Administration and are planning to proceed to the fourth year of the Accounting and MIS option. The successful candidates will have shown a consistently high record of academic achievement and will possess the well-rounded personality and aptitude which, in the opinion of the faculty and Coopers & Lybrand, denote the potential to be a successful chartered accountant. Coopers & Lybrand will provide summer employment between the students' third and fourth year. Further information may be obtained from the offices of the Dean of Commerce and Business Administration. (Please note this award will be available in the 1982/83 winter session.)

Digital Equipment of Canada Ltd. Award of Merit — An award of a medal and $100 will be made annually to a student completing a B.Sc. degree in Computer Science or a B.Com. degree with an option in Computer Science. The award will be made on the recommendation of the Department of Computer Science on the basis of academic standing. (Please note that this award will be made available in the 1981/82 winter session.)

Fisons Corporation Limited Prize — A prize in the amount of $100 and a bronze medallion have been made available by Fisons Corporation Limited to the graduating student in the Faculty of Medicine demonstrating excellence in allergy and immunology. The award will be made on the recommendation of the faculty. (Please note that this award will be made available in the 1981/82 winter session.)

Fisons Corporation Limited Scholarship — A scholarship in the amount of $500 has been made available by Fisons Corporation Limited. The award will be made to a student in the Faculty of Medicine, demonstrating excellence in allergy and immunology. The award will be made on the recommendation of the faculty. (Please note that this award will be available in the 1981/82 winter session.)

Harper, Grey, Easton Prize in Insurance Law — A prize in the amount of $200 has been made available by Harper, Grey, Easton and Associates. The award will be made to the student achieving the highest standard in the subject of insurance. (Please be advised that this award will be made available for the 1981/82 winter session.)

Harper, Grey, Easton Scholarship — A scholarship in the amount of $800 has been made available by Harper, Grey, Easton and Associates. The award will be made to a student who has achieved high standing and is entering the second or third year in the Faculty of Law. (Please note that this award is available in the 1982/83 winter session.)

Steve House Memorial Scholarship — A scholarship in the amount of $150 has been made available in memory of Steve House who passed away in the fall of 1981 while in the final stages of completing the requirements to be a chartered accountant. His ability to remain steadfast in his educational and employment commitments, his sense of humor in addressing the world around him and those in it against great odds, and his courage in facing the disease that disabled him but never handicapped him are the qualities that are to be immortalized in this award. The award will be made to a student in the Faculty of Commerce and Business Administration with preference given to a student who is disabled or has made a concerted effort in his/her schooling while having to deal with some physical, mental, emotional, or social obstacle. The award will be made on the recommendation of the faculty.

Ann McCullough Memorial Bursary — A bursary in the amount of $250 has been established by friends of Ann McCullough, B.A. 1930, who worked for the University in the Registrar's Office and the Faculty of Agricultural Sciences for more than 30 years. The bursary will be awarded to a student in the Faculty of Agricultural Sciences who requires financial assistance to complete his/her studies. In making the award, preference will be given to a Canadian citizen from a rural or farm background. (Please be advised that this award will be made available in the 1982/83 winter session.)

Dr. John L. Oulton Memorial Prize in Anaesthesiology — An annual prize in the amount of $200 has been established in memory of Dr. John L. Oulton, by his friends and associates. Dr. Oulton was a Clinical Associate Professor in Anaesthesiology and Assistant Director of Anaesthesiology at the Vancouver General Hospital. He was director of the Departmental Medical Technology Laboratory at the time of his sudden passing in 1981. He is remembered for his clinical and scientific expertise in the area of medical technology development in Anaesthesiology. The prize will be awarded to the undergraduate proceeding to the fourth year considered by the department as demonstrating general proficiency in the understanding of clinical anaesthesiology. (Please be advised that this award will be made available in the 1981/82 winter session.)

Rehabilitation Medicine Alumni Bursary — A bursary in the amount of $500 has been made available by the School of Rehabilitation Medicine — Class of '82. The award will be made to students enrolled in the third or fourth year and will be based on financial need, academic standing, and participation in school activities. The recommendation will be made by a joint faculty-student committee. (Please be advised that this award will be available for the 1982/83 winter session.)

Vancouver General Hospital Psychiatry Prize — This prize in the amount of $200 is awarded to a student in the second year of Medicine who, in the opinion of the Department of Psychiatry, has demonstrated particular competence in psychiatry during the second year. (Please be advised that this award is available in the 1981/82 winter session.)

UBC Izaak Walton Killam Memorial Postdoctoral Fellowships

These awards are provided annually from "The Izaak Walton Killam Memorial Fund for Advanced Studies", established through a bequest from the late Dorothy J. Killam. Available in general for any field of study or research (other than the "arts" as presently defined in the Canada Council Act and not limited to the "humanities and social sciences" defined in that Act). The basis of award will be special distinction of intellect, with due regard for sound character and personal qualities. They are open to suitable candidates from any country, but those who are not Canadian Citizens may use their awards only for study and research in Canada. Izaak Walton Killam Memorial Postdoctoral Fellowships are awarded for two years, subject to review at the end of the first year.

These awards, each in the range of up to $19,000 (subject to change) are open to:

(i) students who have recently obtained a doctorate at the University of B.C., have shown superior ability in research and wish to pursue further study and research at the University of B.C. or elsewhere; and

(ii) students who have recently obtained a doctorate at another university, have shown superior ability in research, and wish to pursue further study and research at the University of B.C.

(iii) consideration will also be given to candidates who, although they do not possess a doctorate, are deemed by virtue of their achievements and ability to have similar qualifications.

Preference will be given to Canadian Citizens.

Application Procedure: Application forms may be obtained from the Awards Office or from the Office of The Dean of Graduate Studies and may be submitted through the appropriate department or institute of UBC in which the applicant has been or will be engaged in research or study, or directly to the Office of The Dean of Graduate Studies. The application should contain a precise account of the study and research to be undertaken during the period of the fellowship.

Three supporting letters of recommendation are required. One letter should be from the head of the department at UBC in which the candidate has been or will be engaged in research and study. The other letters should be from people familiar with the work of the candidate.

Transcripts of academic record should also accompany the letter of application.

Applications must be received at the Office of The Dean of Graduate Studies, General Services (Administration) Building, by Feb. 15, 1982.

Economic Council defends universities

The Economic Council of Canada, an advisory body appointed by the federal government, has come to the defense of higher education by urging Ottawa to abandon plans to cut $5.7 billion from aid to provinces for health care and post-secondary education.

In a report entitled "Financing Confederation: Today and Tomorrow," the council says the federal government's plan to cut grants under the Established Programs Financing scheme will only shift the burden to provincial governments, which will be forced to raise taxes, reduce services or increase user charges for medical care and tuition fees for students.

The report adds: "Better education, improved skills and more intensive research contribute to Canada's economic growth, enable the Canadian economy to be more competitive in international markets, and improve the mobility and productivity of the Canadian labor force. In these ways, federal funding of post-secondary education helps to achieve national goals."

In addition to recommending that Ottawa "define and clarify its interests in, and potential influence on, post-secondary education . . . .," the council urges that the federal government " . . . through its EPF transfer to the provinces, continue to provide strong support to post-secondary education."

The council also recommends that the federal and provincial governments "establish a formal and continuing dialogue for the purpose of improving federal-provincial co-operation on matters relating to post-secondary education policies."

The council also feels that issues of national concern in the area of higher education should be debated in parliament and recommends that the secretary of state table an annual report "on the effectiveness of federal programs relating to post-secondary education."

This is the second federal body which has been critical of Ottawa's plans to reduce payments to provinces under the EPF scheme.

A parliamentary task force which held hearings in all parts of Canada last summer reached the conclusion that programs supported by EPF "are serving vital social needs and merit undiminished support."

The report of the task force, chaired by Liberal MP Herb Breau, said that for the most part, there is "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."

The task force also urged more consultation between the two levels of government and an improved student aid program.

Art materials can be health hazards

Art may be dangerous to your health! So warns the UBC Museum of Anthropology and the UBC Fine Arts Gallery, who are co-sponsoring a seminar which will bring together artists, art teachers and museum professionals from around the province to discuss the health hazards of art and museum materials.

On Friday, March 5, and Saturday, March 6, North American experts from many specialties will come to UBC to present information on these health hazards and on organizations willing to provide further information. The seminar will focus on sound working practices, and anyone working with art, display and museum materials is invited to attend. For information and registration forms, please call Miriam Clavir, Conservator, UBC Museum of Anthropology, at 228-5087.

At some point in their lives, almost everyone in Canada works with art materials — in school, with children's projects, as hobbyists, or even when refinishing a chair or dyeing clothes at home. For years, manufacturers have been required to label acutely toxic substances (although this was not uniformly followed with materials, such as art materials, that were sold in small quantities). It is only recently, however, that the possible long term effects of many substances commonly found in art materials are being researched and recognized.

There are reasonably safe ways to work with many of these materials, and alternative materials are being developed. This seminar is designed to begin a dialogue and create an information network among those people who work with these art materials and who bring these materials to children and families throughout the province.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of Feb. 21 and Feb. 28, material must be submitted not later than 4 p.m. on Feb. 11.
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.

Saturday, Feb. 6
An Anglophone in Quebec. Dr. Maurice McGregor, Medicine, McGill University.

Saturday, Feb. 13
Quebec After Patriation. Mme. Solange Chaput-Rolland, Q.C., writer and political commentator, Quebec.

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

MONDAY, FEB. 8

Cancer Research Seminar.
Fiber Counting and Analysis of Asbestos-Related Diseases. Dr. A. Churg, Pathology, UBC. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Mechanical Engineering Seminar.
Some Thoughts on Airfoils and Wind Tunnels. Prof. G.V. Parkinson. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.
Axially Loaded Rigid Pile Embedded In a Sloping Half-Space. Prof. Tian-quan Yun, Mathematics and Mechanics, visiting professor from the Huazhong Institute of Technology, Wuhan, China. Room 104, Mathematics Building. 3:45 p.m.

Zoology "Physiology Group" Seminar.
Avian Aerodynamics — How Birds Fly. Dr. Philip Withers, Biology, Portland State University, Room 2449, Biological Sciences Building. 4:30 p.m.

TUESDAY, FEB. 9

Fine Arts Lecture.
Archeology and Contemporary Affairs. The Case of Iran. Dr. Hanna Kassis. Room 102, Lasserre Building. 12:30 p.m.

Hillel House.
Rabbi Daniel Siegel, director of B'Nai B'rith Hillel Foundation, will be the guest. For information, call 224-4748. Hillel House. 12:30 p.m.

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

Forestry Seminar.
The Shawnigan Lake Study: an Investigation of Tree Response to Thinning and Fertilizing. Dr. Holga Brix, Canadian Forestry Service, Room 166, MacMillan Building. 12:30 p.m.

Botany Seminar.
An Illustrated Talk on the Bamfield Marine Station. Dr. R.E. Foreman, UBC and Bamfield Marine Station. Room 3219, Biological Sciences Building. 12:30 p.m.

Oceanography Seminar.
Ecology of the Benthos of a British Columbia Fjord. Dr. Verenz Tunnicliffe, Institute of Ocean Sciences, Sidney, B.C. Room 1465, Biological Sciences Building. 3:30 p.m.

English Colloquium.
Detecting False Imprints: *Hamlet* Q1 and *Pierce Penilesse* Q5. J.A. Lavin. Room 212, Buchanan Building. 3:45 p.m.

Biomembranes Discussion Group Seminar.
The Na^+/H^+ Antiporter of the Proximal Tubule. Dr. D.D. Warnock, Medicine, University of California, San Francisco. Lecture Hall 5, Woodward Instructional Resources Centre. 4 p.m.

Chemistry Seminar.
Some Novel Problems in the Magnetism of Iron(III)bis(dialkyldithiocarbamates). Dr. Hollis Wickman, Chemistry, Oregon State University. Room 126, Chemistry Building. 4:30 p.m.

Gerontology Seminar.
Home, Community and Institutional Care. Prof. Mary Hill, Social Work, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 7 p.m.

Hillel House.
L'chaim — a documentary on European Jewry. Hillel House. 7:30 p.m.

WEDNESDAY, FEB. 10

Pharmacology Seminar.
Modulation of the Interactions of Drugs with the ACh-activated End-Plate Channel: Effects of Temperature and Divalent Cations. Dr. James McLarnon, Pharmacology, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Hillel House.
Lunch sponsored by Hillel mothers. For information, call 224-4748. Hillel House. 12 noon.

Interview Techniques.
This program, sponsored by the Women Students' Office, will help to prepare you for that important job interview and to present yourself well to a prospective employer. For information, call 228-2415. Rooms 106 A, B and C, Brock Hall. 12:30 p.m.

Wednesday Noon-Hour Concert.
Music of J.S. Bach and Marais. John Sawyer, viola da gamba; and Doreen Oke, harpsichord. Recital Hall, Music Building. 12:30 p.m.

Simulation and Modelling in Science.
An Econometric Model of Electricity Demand in Zimbabwe. Dr. Rabab Ward, Electrical Engineering, UBC. Room 103, Mathematics Building. 12:30 p.m.

World University Services of Canada.
Growing Dollars, part of a film series on Third World development. Room 205, Buchanan Building. 12:30 p.m.

English Lecture.
Sean O'Casey and the Abbey Theatre, Dublin. Prof. Ronald Ayling, English, University of Alberta, Edmonton. Sponsored by the Committee on Lectures. Room 204, Buchanan Building. 12:30 p.m.

Statistics Workshop.
Prof. Don Andrews, University of California, Berkeley. Room 239, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.
The Resin d'etre of a Plant Secondary Chemical: Interactions Between *Euphydryas* Butterflies and Their Larval Food Plants. Room 2449, Biological Sciences Building. 4:30 p.m.

Comparative Literature Lecture.
From Mallarme to Derrida. Dominique Baudouin, French, UBC. Penthouse, Buchanan Building. 4:30 p.m.

Classics Seminar.
Mythos and Logos: Longus' Lesbian Pastorals. Prof. Brian P. Reardon, Classics, University of California, Irvine. Sponsored by the Committee on Lectures. Penthouse, Buchanan Building. 8 p.m.

THURSDAY, FEB. 11

Women and the New Energy Environment.
Using the Political Process to Effect Change in the Environment. Doreen Lawson, Alderman, Municipal Council of Burnaby. First in a series sponsored by the Women's Resources Centre entitled Living Differently: Women and the New Energy Environment. For more information, call 685-3934. Women's Resources Centre, 1144 Robson St. 12:10 p.m.

UBC Symphony Orchestra.
Music of Tchaikovsky, Rossini and Boccherini. Douglas Talney, director; and Charles Inkman, cello soloist. Old Auditorium. 12:30 p.m.

Dentistry Seminar.
Estimation of Caries Producing Potential of Foods. Prof. James H. Shaw, MRC Visiting Professor, Nutrition, Harvard School of Dental Medicine, Boston. Lecture Hall 6, Woodward Instructional Resources Centre. 12:30 p.m.

Hillel House.
Zionist Seminar. For more information, call 224-4748. Hillel House. 12:30 p.m.

Classics Lecture.
How the Greeks Wrote Novels. Prof. Brian P. Reardon, Classics, University of California, Irvine. Sponsored by the Committee on Lectures. Room 205, Buchanan Building. 12:30 p.m.

Condensed Matter Seminar.
Raman Scattering From Metal/Amorphous Silicon Interfaces. Robert Nemanich, Xerox Palo Alto Research Center. Room 318, Hennings Building. 2:30 p.m.

Civil Engineering Seminar.
Nonlinear Behavior and Ultimate Strength of Multi-Cell Reinforced Concrete Box Girder Bridges. Dr. Frieder Seible, University of California, Berkeley. Room 1212, Civil and Mechanical Engineering Building. 3:30 p.m.

Physics Colloquium.
Free-Electron Lasers. Prof. Marlan O. Scully, director, Institute for Modern Optics, University of New Mexico. Room 201, Hennings Building. 4 p.m

Psychology Colloquium.
Rape Proclivity Among Males. Dr. Neil Malamuth, Psychology, University of Manitoba. Room 209, Scarfe Building. 4 p.m.

FRIDAY, FEB. 12

Dentistry Lecture.
Nutrition and Oral Health. Prof. James H. Shaw, Nutrition, Harvard School of Dental Medicine, Boston. Lecture Hall 4, Woodward Instructional Resources Centre. 10:30 a.m.

Developmental Medicine Seminar.
Release of GI Hormones *in vitro*. Dr. Ray Pederson, Physiology, UBC. First Floor Seminar Room, Willow Pavilion, VGH. 12:30 p.m.

The Immune System — Medical Genetics Rounds.
Polymorphisms of Ia Antigens and Their Relationship to Immune Response Genes. Dr. R. McMaster, Biochemistry, UBC. Fourth Floor Conference Room, Health Centre for Children, VGH. 1 p.m.

Continued on page 8

UBC CALENDAR

continued from page 7

Linguistics Colloquium.
Modalization and Its Effect on the Japanese Language. Matsuo Soga, Asian Studies, UBC. Room 2230, Buchanan Building. 3:30 p.m.

Chemical Engineering Seminar.
Sprayability of Concentrated Black Liquor Fibre Morphology and Paper Strength. Room 206, Chemical Engineering Building. 3:30 p.m.

Humanities and Sciences Lecture.
An Evening with Marilyn Ferguson: The Aquarian Conspiracy is Alive and Well. Sponsored by the Centre for Continuing Education. Admission is $10; $7 for students. Lecture Hall 2, Woodward Instructional Resources Centre. 7:30 p.m.

UBC Public Affairs.
Canada, Reagan and the Western Alliance. Dr. Douglas Ross, Institute of International Relations, UBC, with host Gerald Savory, UBC Centre for Continuing Education. Program will be repeated on Friday, Feb. 19 at 7:30 p.m. Channel 10, Vancouver Cablevision. 7:30 p.m.

International House.
Land of The Morning Calm? A Look at Working Conditions in South Korea. Joanne Fisher. Upper Lounge, International House. 7:30 p.m.

Hockey.
UBC vs. the University of Calgary. Thunderbird Winter Sports Centre. 8 p.m.

UBC Symphony Orchestra.
Music of Tchaikovsky, Rossini and Boccherini. Douglas Talney, director; and Charles Inkman, cello soloist. Old Auditorium. 8 p.m.

SATURDAY, FEB. 13

Hockey.
UBC vs. the University of Calgary. Thunderbird Winter Sports Centre. 8 p.m.

SUNDAY, FEB. 14

Music Recital.
Graduate student Catherine Fitch, soprano, will perform works by Strauss, Berlioz, Rachmaninoff and Rorem. Terence Dawson, piano. Recital Hall, Music Building. 8 p.m.

MONDAY, FEB. 15

Cancer Research Seminar.
Oxidation Effects on the Biological Activity of Phenolics. Ann F. Hanham, graduate student, Environmental Carcinogenesis Unit, B.C. Cancer Research Centre. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Asian Centre Inaugural Event.
Music of the Chinese Flute. Cheng Cheng-hua, Shanghai National Orchestra. Co-sponsored by the UBC Department of Music. Recital Hall, Music Building. 12:30 p.m.

Asian Studies Lecture.
Pilgrimage and Allegory in the Hsi-yu chi. Prof. Anthony C. Yu, University of Chicago. Room 604, Asian Centre. 12:30 p.m.

Classics Lecture.
The Roman Theatre and its City. Prof. Elizabeth R. Gebhard, Classics, University of Illinois. Sponsored by the Committee on Lectures. Room 102, Lasserre Building. 12:30 p.m.

Pacific West Coast Inorganic Lecture.
Metal to Carbon Multiple Bonds. Prof. W. Roper, University of Auckland, New Zealand. Sponsored by UBC's Department of Chemistry. Room 225, Chemistry Building. 2:30 p.m.

Asian Studies Seminar.
The Journey to the West: Joys and Frustrations of Translation. Prof. Anthony C. Yu, University of Chicago. Room 604, Asian Centre. 3:30 p.m.

Joint Applied Mathematics and Optimization Seminar.
Generalized Subgradients and the Interpretation of Lagrange Multipliers as Marginal Values. Prof. R.T. Rockafellar, Mathematics, University of Washington. Room 104, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
Do Galaxies Merge? Dr. Sidney van den Bergh, Dominion Astrophysical Observatory, Victoria. Room 318, Hennings Building. 4 p.m.

Archaeological Institute of America Meeting.
The Theatre and the Late Roman City of Stobi, Yugoslavia. Prof. Elizabeth R. Gebhard, Classics, University of Illinois. Sponsored by the Committee on Lectures. Lecture Theatre, Museum of Anthropology. 8 p.m.

Geography Lecture.
Future Canadian Climate: Threat or Resource? Prof. F. Kenneth Hare, Geography, University of Toronto. Room 100, Geography Building. 8 p.m.

TUESDAY, FEB. 16

Fine Arts Lecture.
Art in the Roman Boonies. Dr. James Russell. Room 102, Lasserre Building. 12:30 p.m.

Botany Lecture.
New Data and Speculations on the Floristic and Environmental History of the Queen Charlotte Islands. Rolf Matthews, SFU. Room 3219, Biological Sciences Building. 12:30 p.m.

Freesee Film Series.
The First Impact, the twelfth in this series with the general title A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Forestry Seminar.
The Intensive Forest Management Program of Tahsis Company. Sven Rassmussen, Tahsis Company. Room 166, MacMillan Building. 12:30 p.m.

Institute of Asian Research Presentation.
Prehistory of Southeast Asia: The Evolution of Early Man. Richard Shutler Jr, Archaeology, SFU. Room 604, Asian Centre. 12:30 p.m.

Geological Sciences Lecture.
Metamorphism of Rodingites. Dr. J.M. Rice. Room 330A, Geological Sciences Building. 3:30 p.m.

Oceanography Seminar.
Effects of *Olisthodiscus luteus* on Oyster Larval Survival. Rose Ann Cattalico, Botany, University of Washington. Room 1465, Biological Sciences Building. 3:30 p.m.

Library Lecture.
The New York Public Library. David H. Stam, Director of the Research Libraries, New York Public Library. Room 100, Buchanan Building. 3:30 p.m.

Biomembranes Discussion Group Seminar.
New Horizons in Membrane Structure and Function. Dr. C.P.S. Tilcock, Biochemistry, UBC. Lecture Hall 5, Woodward Instructional Resources Centre. 4 p.m.

Chemistry Seminar.
Biomimetic Synthesis or Doing What Comes Naturally. Dr. James White, Chemistry, Oregon State University. Room 126, Chemistry Building. 4:30 p.m.

Gerontology Seminar.
Transportation and Community Access — Social Welfare Policy. Dr. Dennis Guest, Social Work, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 7 p.m.

Botanical Garden Lecture.
UBC Friends of the Botanical Garden present Allen P. Paterson, director of the Royal Botanical Gardens, Hamilton, Ont., on The History of Garden Design. Speaker is the former director of the Chelsea Physic Garden, London, England. Admission by advance ticket purchase only ($4, includes reception after lecture). Call 228-3928. Lecture Hall 6, Woodward Instructional Resources Centre. 8 p.m.

WEDNESDAY, FEB. 17

Wednesday Noon-Hour Concert.
Music of Britten, Schutz, Corigliano, Keeble, Washburn, Raminsh, Brahms, Schafer and Bernstein. Vancouver Chamber Choir, conducted by Jon Washburn. Recital Hall, Music Building. 12:30 p.m.

Anatomy Seminar.
Fetal Alcohol Syndrome: Morphological, Behavioral, and Pituitary-Adrenal Effects. Dr. J. Weinberg, Anatomy, UBC. Room 37, Anatomy Building. 12:30 p.m.

Hillel House.
Poetry Reading by Larry Geller. For information, call 224-4748. Hillel House. 12:30 p.m.

Simulation and Modelling in Science.
Continuous Linear Programming. Dr. James V. Whittaker, Mathematics, UBC. Room 103, Mathematics Building. 12:30 p.m.

Statistics Workshop.
Effective Dimension of a Vector Space with Implications for Linear Modelling. W. Oldford, Statistics, University of Toronto. Room 239, Geography Building. 3:30 p.m.

Geography Colloquium.
The Environmental Myth Re-Examined. Prof. F. Kenneth Hare, Geography, University of Toronto. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.
Social Behaviour in the Acorn Woodpecker: Cooperative or Uncooperative Breeding. Dr. Walter D. Koenig, Moore Laboratory of Zoology, Occidental College, Los Angeles. Room 2449, Biological Sciences Building. 4:30 p.m.

THURSDAY, FEB. 18

Mid-term break.

Women and the New Energy Environment.
Food as Technology. Anne Jones Hall, associate director, ENTROPHY. Second in a series sponsored by the Women's Resources Centre entitled Living Differently: Women and the New Energy Environment. For information, call 685-3934. Women's Resources Centre, 1144 Robson St. 12:10 p.m.

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

FRIDAY, FEB. 19

Mid-term break.

Developmental Medicine Seminar.
The Effects of Under-nutrition and Over-nutrition on Cholesterol Synthesis in Intestinal and Adipose Tissues of Newborn Rats. First Floor Seminar Room, Willow Pavilion, VGH. 12:30 p.m.

The Immune System — Medical Genetics Rounds.
Multiple Sclerosis. Dr. D. Paty, Neurology, UBC. Fourth Floor Conference Room, Health Centre for Children, VGH. 1 p.m.

SATURDAY, FEB. 20

Early Music Concert.
The Toronto Consort, co-sponsored by the Vancouver Society for Early Music and the UBC Department of Music. Recital Hall, Music Building. 8:30 p.m.

Annual report available

The annual report of President Douglas Kenny to UBC's Board of Governors and Senate has now been published and is available to interested members of the University community.

The 56-page document reviews the academic, research, financial and public service aspects of University activities in the 1980-81 academic year, which ended Aug. 31, 1981. Copies of the report are available from Information Services, 228-3131.

Notices . . .

Understanding Business through Best Sellers
The Centre for Continuing Education is offering an evening series on "Understanding Business through the Best Seller List" on Thursday evenings from Feb. 25 to April 1. The full series is $55, single lectures are $10. The lectures take place in Seminar Room G65/66 of the Woodward Instructional Resources Centre from 7:30 to 9:30 p.m. For more information, call 228-2181, local 240.

Faculty and Staff Tennis Club
Faculty members who wish to join a Faculty and Staff Tennis Club should contact Russell Uhler at 228-3836.

Special Collections Display
Down But Not Out — the Cycle of Financial Crises at the University of British Columbia, 1914 to 1982. Top floor, south wing, Main Library.

Graduation Cards
Students expecting to receive their academic degrees at UBC's spring congregation must fill in their application-for-graduation cards and return them to the Registrar's Office by Feb. 12. Application cards have been mailed to students graduating in the following degree programs: BA, BFA, BMus, BCom, LicAcct, BEd (elementary, secondary and special ed.), BPE, BRE and BSc.

Art Exhibit
Prof. Geoffrey Smedley of UBC's fine arts department has an exhibit of his works on display at the Vancouver Art Gallery. The exhibit ends Feb. 7.

Museum of Anthropology
Exhibitions: The Legacy: Continuing Traditions of Canadian Northwest Coast Indian Art, until August, 1982.
Guided Gallery Walks: Gallery guides will introduce museum gallery to visitors — 2:30 p.m. on Tuesdays and Thursdays.
Imagination Market: The museum is putting together packages of old materials that can be used for arts and crafts to sell for a nominal fee at Open House this year. Anyone on campus who has materials that can be recycled for this use are asked to contact Hindy Ratner at 228-4606.
Museum hours are noon to 9 p.m. on Tuesdays, noon to 5 p.m. Wednesdays through Sundays and the museum is closed Mondays. For information on museum activities, call 228-5087.

Faculty/Staff Tennis Instruction
Instruction for beginners is being given in three sessions: Feb. 1 to 17; Feb. 22 to March 10; and March 15 to March 31. Lessons take place on Mondays, Wednesdays and Fridays from 11:30 a.m. to 12:30 p.m. Fee is $10. Register in Room 203 of the War Memorial Gymnasium from 9 a.m. to 3:30 p.m. (closed from 11:30 a.m. to 12:30 p.m.).

Faculty/Staff Exercise Class
Faculty and staff exercise classes for men and women take place Mondays, Wednesdays and Thursdays from 12:30 to 1:05 p.m. Instructor is S.R. Brown. Fee is $15 — payable in Room 203 of the War Memorial Gymnasium. For more information, call 228-3996.

Functional Fitness Appraisal
The John M. Buchanan Fitness and Research Centre is administering a physical assessment program available to students, faculty, staff and the public. $20 for students; $25 for others. For more information, call 228-3996 or contact Recreation UBC, Room 203, War Memorial Gymnasium.

UBC Reports is published every second Wednesday by Information Services, UBC, 6328 Memorial Road, Vancouver, B.C., V6T 1W5. Telephone 228-3131. Al Hunter, editor. Lorie Chortyk, calendar editor. Jim Banham, contributing editor.

Canada Post Postage paid — Postes Canada Port payé
Third class — Troisième classe
2027
Vancouver, B.C.