UBC REPORTS

January 21, 1981 Volume 27, Number 2

UBC awarded big share of key research grants from Ottawa

About one-quarter of research grants for projects critical to the national interest have been awarded by Ottawa's primary research funding agency to UBC.

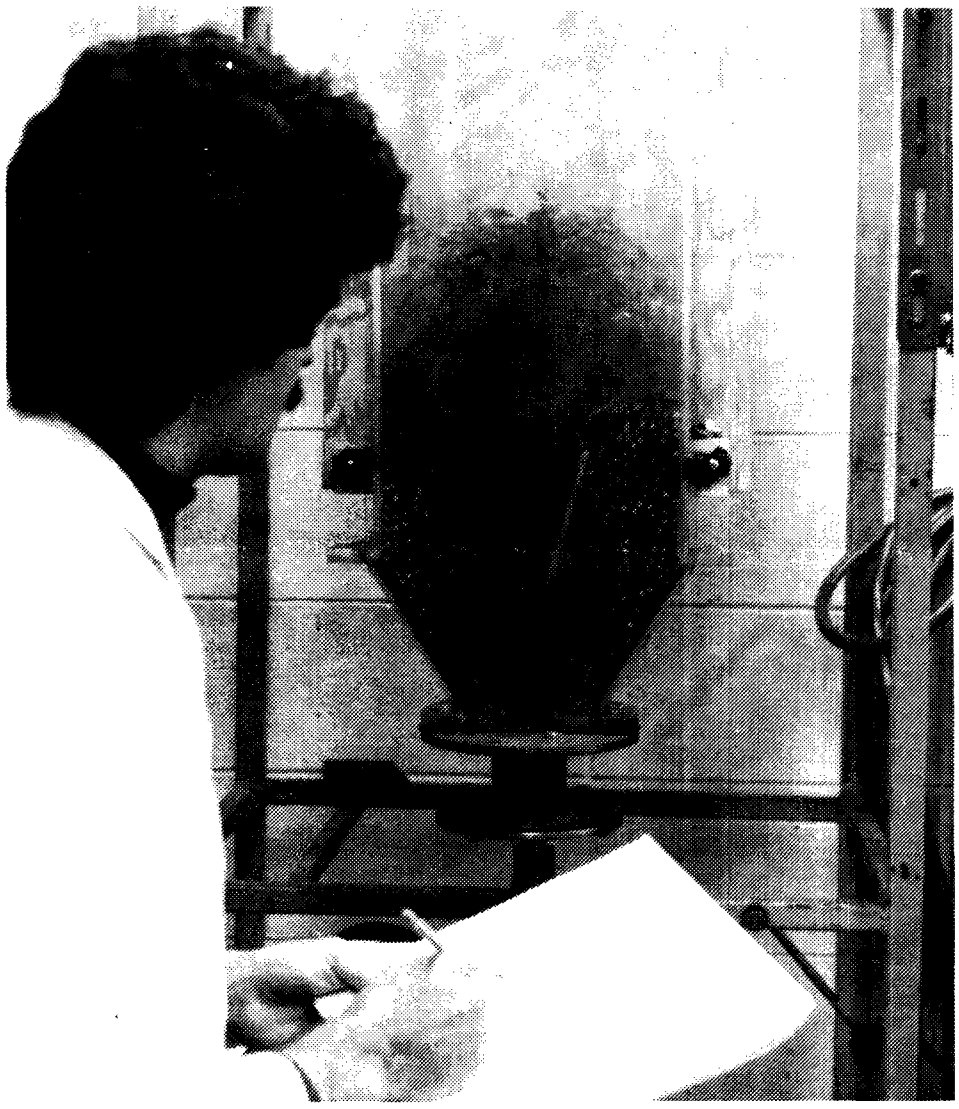
The Natural Sciences and Engineering Council says "the strategic grants in areas of national concern" aim at contributing to understanding or solving problems in communications, energy, food production, oceans and poisoning of the environment.

Forty-six of the 200 grants announced by the council went to UBC researchers in competition with more than 30 other Canadian universities.

The UBC grants represent more than $2 million of the total value of $8.3 million awarded by the council.

Some of the projects:

- Solving problems involved in using nuclear fusion rather than the conventional fission as an energy source, Profs. A.J. Barnard and Jochen Meyer, physics department;
- Applying a new method to overcome problems in using some B.C. coals as a source of fuels, a group in the chemical engineering department led by Prof. Norman Epstein;
- Develop a new battery based on the metal molybdenum, which B.C. has in abundance, to eliminate the weight problem now associated with conventional lead batteries, Prof. Rudy Haering, physics department;
- Develop a more efficient method of testing for agents that cause cancer, mutations and birth defects, Dr. Thomas A. Grigliatti, zoology department;
- Improving water quality by detoxifying pulp mill effluent, Prof. James Kutney, chemistry department;
- Design of off-shore structure in shallow water, Dr. M.S.Q. Isaacson, civil engineering department;
- Study of intermediate and large-scale motions in the Northeast Pacific Ocean, Dr. L.A. Mysak, oceanography department;
- Managing coho salmon in the Gulf of Georgia, Prof. Peter Larkin, zoology department.



A spouted bed that keeps coal particles in constant motion is used by a research team in UBC's Department of Chemical Engineering. The group has received a $68,000 strategic grant to help try to solve problems in energy production.

Paul Bullen

Paul Bullen, chief accountant, Department of Finance, and Ken Andrews, an electrician for Physical Plant, have been re-elected to serve on the Board of Directors of the employed staff pension plan. It is the fifth two-year term for each.

New computer installed

UBC's computing capacity increased by 65 per cent last weekend with the installation of a new machine that is at "the leading edge of the art," according to Computing Centre director Al Fowler.

UBC traded in its Amdahl 470 V6 II model and paid $1.3 million to acquire the new Amdahl 4070 V8. If the new computer had been purchased without a trade-in it would have cost $2.5 million.

The old computer's system was fully loaded, Fowler said. "The new machine will relieve the strain on the system and provide for added use over the next two years."

Installation of the new computer will maintain UBC's position as one of Canada's leading computing centres, Fowler added. The centre is open seven days a week and operates on a round-the-clock basis for five days a week.

Faculty research, and research and development carried out by the Computing Centre itself account for about 60 per cent of computer time. About 25 per cent of capacity is used by students as part of academic courses and the balance is used for UBC administrative purposes.

Traffic hours change

If your car is towed away for improper parking, make sure you claim it at the traffic office, 3030 Wesbrook Mall, before 6 p.m. It's either that or wait until the next morning.

New hours for the traffic office are 7 a.m. to 6 p.m., Monday through Friday. The office will be closed on weekends and holidays.

The new hours came into effect Jan. 10 in the interests of economy, and practicality. "Evenings and weekends have always been slow," said a spokesperson for the office. "Some Sundays we've had as few as one or two people come in."

Old hours were 7:30 a.m. to 9 p.m., seven days a week.

The spokesperson said the office often was busy first thing in the morning, issuing temporary parking passes for students, faculty and staff who were driving a different car for a short period.

"There were often drivers waiting for us to open the door, so this half-hour earlier start should be a welcome move."

The new hours are for the traffic office only and do not involve the security patrol.

Volcanic Far Mountain forms part of Ilgatchuz Ecological Reserve in Chilcotin district of British Columbia.

Ecologists meet here

The 13th annual general meeting of the Ecological Reserves Committee of B.C. will be held in Salons A, B and C of the UBC Faculty Club this Friday (Jan. 23) starting at 10 a.m.

The occasion marks the 10th anniversary of the passage of the Ecological Reserves Act (1971) and the man who shepherded the bill through the Legislature, Ray Williston, will be at the meeting.

The meeting will be opened by Douglas Kenny, UBC president.

Vladimir Krajina, honorary professor of botany and an original member of the reserves committee, said 100 reserves have been established in 10 years, and 20 more proposals will be discussed on Friday.

The 100th reserve, 101 hectares on the north end of Osoyoos Lake in the Okanagan, was proclaimed on Dec. 18 by James Chabot, minister of lands, parks and housing.

The ecological reserves are areas that will be left in their natural state—no logging, hunting, fishing or other activity that might alter the balance of nature.

Friday's meeting, at which colored slides of proposed new reserves will be shown, is open to all.

6th 'Mould' open to all

Physical and mental fitness is the theme of this year's "Breaking the Mould" conference at the University on the afternoon of Jan. 22.

Although this sixth annual conference is primarily for teachers, it is open to all. It is free, advance registration is not required, and it runs from 12:30 p.m. to 5:30 p.m. in the Scarfe Building.

Following the keynote address by Vancouver alderwoman May Brown, those attending will have a choice of 14 workshops or seminars, in four general areas—stress, nutrition, fitness and lifeskills.

The hour-long workshops are on such topics as Stressful Situations in Classroom Teaching and Skills for Coping with Them, Does Advertising Undermine Our Nutrition Fitness?, Facts and Fantasy of Our Own Nutrition, Smoking Cessation, and Making the Most of Yourself—Career Planning and Job Opportunities.

The conference winds up with a panel discussion on fitness and the curriculum.

The conference is sponsored by the UBC Faculty of Education. Further information is available through Prof. Penny Gouldstone at 228-6200.

1,500 turned away, Kenny tells Rotary

UBC turned away more than 1,500 students in September who were qualified academically to enter the University, Douglas Kenny told the Rotary Club of Vancouver Tuesday (Jan. 20).

"We are in a growth position," the UBC president said. "You should know that again this year we have another record full-time enrolment . . . yet because of lack of space or lack of human resources, UBC this past fall had to turn away 1,541 students who were academically qualified to enter our University."

Dr. Kenny also noted that registrations for continuing education programs for the past year were at an all-time high of close to 100,000, "one of the largest such programs in North America."

"It is solid evidence that people are aware that our changing society is going to make lifelong learning imperative," he said. "People are seeking to upgrade their skills, change vocations or find a new orientation for their lengthening lives."

President Kenny also told Rotarians that many students at UBC were breaking with the tradition of going to University for four or five consecutive years immediately after leaving secondary school. Many went to work for a period first, or interrupted their studies to take a year or more away. As a result, he said, one student in every three at UBC was over the age of 25. Fifteen years ago, it was one in five.

But Dr. Kenny said he was concerned that only about 14 per cent of British Columbia's 18-to-24-year-olds are enrolled in post-secondary education. By comparison, he said, the percentage in Alberta is 17. Ontario is 20, Japan 38 and the United States 50.

"One of the goals for our provincial education system should be to get British Columbia's participation rate in post-secondary education at least up to the current national average of 19 per cent."

Dr. Kenny said there was a concentration of brain power of world class stature at UBC, but the University was losing some of its top faculty members to other universities or private industry because of salaries.

"And just as it affects other people and other organizations, the high price of Vancouver real estate is costing us some bright young professors who cannot afford to move here," he said.

The UBC president said he was in the process of cutting $2.1 million out of the current budget base.

"This brings to almost $7 million the amount of money we have had to remove from the operating budget of the University in the last five years.

"Being the eternal optimist, and believing in the quality of education which UBC provides this province, I still hope that this will be the year that the government at least gives us a provincial operating grant which meets inflationary costs.

"We need adequate provincial funding because we are delivering the goods—the provision of quality education to growing numbers of people."

Failure rate up slightly in English

The failure rate among the 3,911 students who wrote UBC's compulsory English comprehension test at Christmas was 46 per cent.

The 1980 failure rate was slightly higher than the 1979 rate of 44 per cent, according to associate professor of English Dr. Herbert Rosengarten.

He said that one of the chief values of the test is to make failing students aware that they are weak in English composition and require remedial work.

The English department no longer provides remedial classes, which now are available to students through the University's Centre for Continuing Education.

Dr. Rosengarten added that more than half of those who failed the Christmas exam would successfully pass final exams next April. A failure rate of about 20 per cent was recorded last year for April exams.

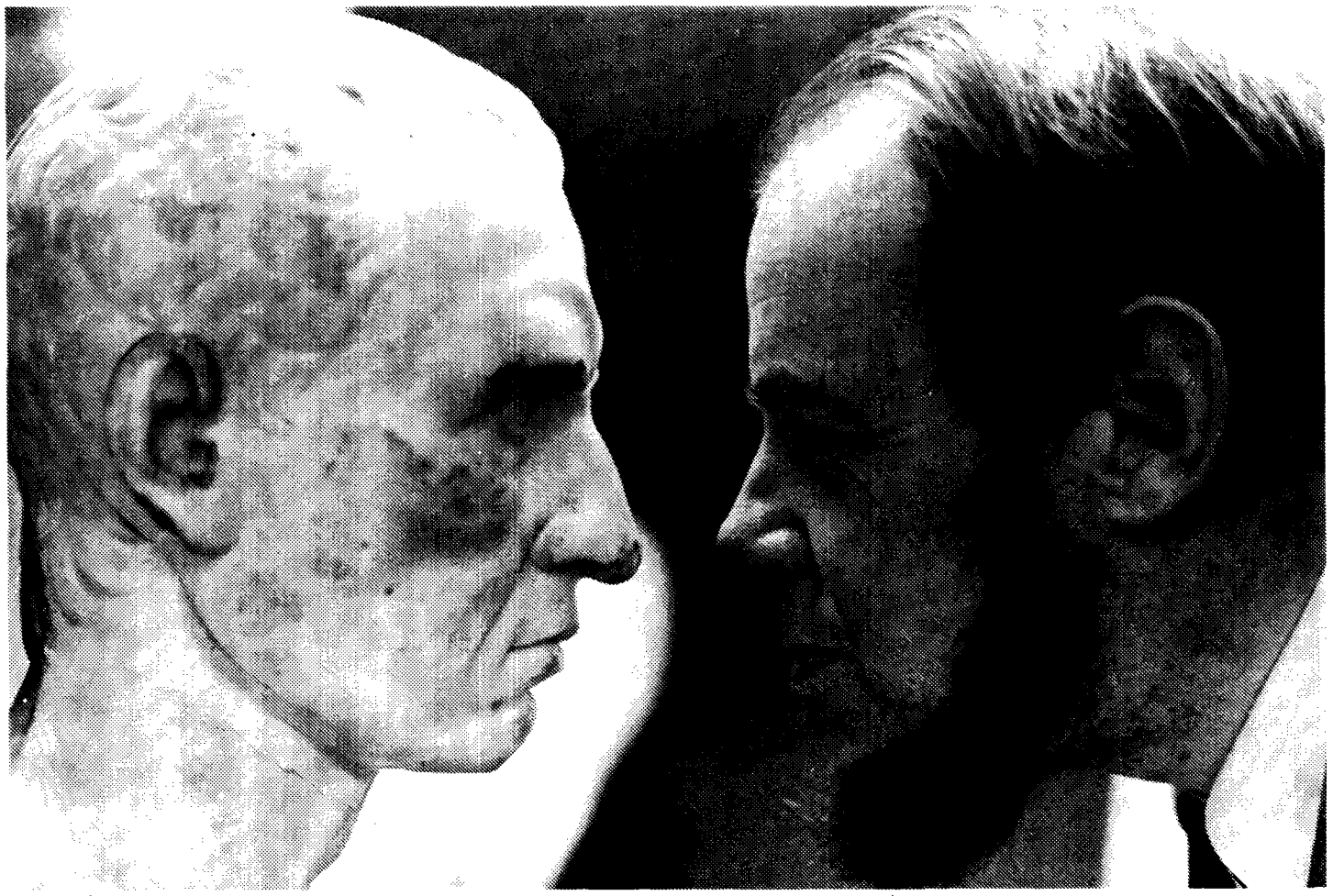
Strike vote favored by TA union

A strike vote is planned for Jan. 28 by the new union of teaching assistants at UBC (officially Local 2278 of the Canadian Union of Public Employees).

The TA union is attempting to negotiate a first contract with the University. Talks have been at a stalemate since early December on the question of union security. All other issues have been resolved.

A union spokesperson said about 80 per cent of the approximately 100 union members attending a meeting last Thursday voted in favor of holding an official strike vote, which would be supervised by the Labor Relations Board.

All 1,100 teaching assistants and markers at UBC, whether they belong to the union or not, are eligible to take part in the strike vote.



Prof. Jim Russell of UBC's classics department is eyeball to eyeball with a bust of Julius Caesar, one of several pieces of sculpture on display in an exhibit entitled "Images of Imperial Power: Coins, Keys, Seals, Weights and Sculptures from the Roman and Byzantine Courts," which opened yesterday at UBC's Museum of Anthropology. Prof. Russell arranged for the exhibit, which continues until March. 15.

350 attend service for Davidsons

Some 350 colleagues and friends gathered in the Recital Hall of UBC's Music Building Jan. 13 for a memorial service for Park and Sheena Davidson, both members of the UBC faculty who were killed in a highway crash in B.C.'s southern Interior on Dec. 21.

Prof. Davidson was head of UBC's clinical psychology program and Mrs. Davidson was an assistant professor in the School of Nursing.

Dr. Kenneth Craig, a colleague of Prof. Davidson's in the psychology department, eulogized Prof. Davidson as a man who excelled "as professor, scientist, psychologist, father and friend," and whose life revealed "grand visions combined with a marvellous capacity to execute them, and a humanitarian dedication to others."

He said that Prof. Davidson, who joined UBC in 1973 to develop clinical psychology, had in a short period of time taken "a little known program to the stature of one of the best and most respected in Canada."

He also commented on Prof. Davidson's activities as a member and president of a number of professional organizations, his editorship of the *Canadian Journal of Behavioural Science*, and his humor and "skill in communicating important messages" as the author of numerous papers.

Nursing school instructor Donelda Ellis said Mrs. Davidson was "a model of energy and integrity" who was "immersed in (a) quest for new knowledge and the sharing and application of that knowledge to improve teaching and patient care."

She also commented on Mrs. Davidson's activities as a co-author and co-editor of scholarly papers and a book and as a "vital member" of the board of the Maternal Health Society in which she "not only provided expertise and leadership but devoted many hours to writing, editing and preparing (material) for publication in the *Maternal Health News*."

She also drew attention to Mrs. Davidson's dedication to the improvement of her profession through active involvement in professional organizations, her teaching ability and her "conscientious desire" to improve the environment of the School of Nursing.

Julie's Special gone

If you have eaten in the Faculty Club snack bar in the new year, you'll have noticed a change.

"Julie's Special," a nine-year tradition, has been replaced on the menu by "Manager's Special." Julie Winchcombe, who joined the Faculty Club staff 14 years ago as a waitress and who became the snack bar cook four years later, retired at the end of December.

"The daily special was originally called the manager's special," says the club's associate manager, Ed Puls, "but Julie was planning the menus and coming up with the ideas for the meals, so we decided to use her name."

Ms. Winchcombe was scheduled to retire at the end of October last year, but was asked to stay on until the end of the year to help out during the busy Christmas season.

She and Margaret Salvona, who retired after 18 years on staff, were honored at the Faculty Club's annual Christmas party. Each received a sterling silver serving dish in appreciation of their years of service. Ms. Salvona, who also started as a waitress, was head hostess for her last 14 years at the club.

Also honored at the gathering were 11 other members of the Faculty Club's 10-year club: Ise Duffek, housekeeper; Werner Schmidt, sous chef; Erich Schmieg, chef; Margaret Whalley and Patricia Lenney, cashiers; Nora Laird, head hostess; Maggie Mann, sous chef in charge of cold kitchen; David Willie, receiver; Patrick Carpentier, maitre d'; Ed Puls, associate manager; Dick Hansen, general manager.

Aggies mark 65th birthday

Calling all Aggies . . . A wine and cheese party is being held on Jan. 28 to celebrate the 65th birthday of the Faculty of Agricultural Sciences. All members of the agricultural sciences faculty (students, faculty, staff and past grads) are invited to join the festivities which will take place at Cecil Green Park from 7:30 to 11:30 p.m. It's all free of charge and organizers say it will be a good chance for grads and currently enrolled students to get together and share ideas. If you want to know more about the event, contact J. Ottalbran or B. Johnston at 228-5085.

Report recalls changes

A university vastly changed from what it was 10 years ago is described in the latest annual report of the University of British Columbia.

"The composition of the student body, the structure of the curriculum, and the physical appearance of the University of B.C. have altered out of all recognition during this 10-year period," notes President Douglas Kenny in his 60-page report to the University's Senate and Board of Governors for the 12 months to Aug. 31, 1980.

Dr. Kenny characterized the decade of the 1970s as a unique period in which universities everywhere had to adjust to changing circumstances and seek self-renewal and a new sense of purpose. The last half of the 1970s brought a constant battle against inflation and under-funding, President Kenny says. "It seems inexplicable that at a time when this province and nation face so many new intellectual challenges, this University, along with other universities in Canada, is forced to embark on self-justification in order to secure its position in provincial and national priorities."

In the decade 1969-70 to 1979-80, daytime winter session enrolment increased by 11.5 per cent from 20,767 to 23,616 students. In 1979-80 the total number of registrations for all UBC's academic and continuing education programs was 117,010, made up of 84,403 who participated in continuing education courses and a record 32,607 who were registered for academic programs. All three major academic sessions showed increased registrations over the previous year.

The number of women enrolled at the undergraduate level increased from 39 to 47 per cent in the decade. At the graduate level, women now make up 41 per cent of those registered for master's degrees, compared to 26 per cent in 1969-70; and the percentage enrolled for doctoral degrees has increased from 16 to 28 over the decade.

A record 3,951 students received academic degrees at UBC's annual Congregation held in the spring. Among those graduating was the first blind student to earn the academic degree of Doctor of Philosophy at UBC.

President Kenny says he is proud that UBC, unlike many universities and colleges in the 1970s faced with decreasing enrolments, did not lower its standards for admission or academic quality. "Indeed, it can probably be said that we are the only university in Canada which opted to raise its admission standards in the 1970s," he says. New requirements are being phased in and will be fully in place this September.

"I remain confident that the efforts we are making to upgrade educational quality by imposing higher entrance requirements and insisting on high standards of achievement by our students and faculty will be reflected in continued public support and enrolment increases in the 1980s."

'He will be sadly missed'

Funeral services were held Jan. 9 for Stanley Weston, a member of the Board of Governors of the University and an internationally known land reclamation and soil erosion expert.

Mr. Weston died suddenly from a heart attack at his home at 1850 Southwest Marine Drive Jan. 6. He was 64.

UBC's president, Dr. Douglas Kenny, characterized Mr. Weston as a "loyal alumnus of the University who gave unselfishly of his time to assist his alma mater since his appointment to the Board of Governors in 1979.

"His many years of experience as an internationally known soils reclamation expert were of great assistance to the University in developing a plan of action to cope with erosion on the Point Grey cliffs below the campus.

"It was characteristic of Mr. Weston that he was able to draw many diverse groups together to agree on a concerted plan of action for this particular project. He will be sadly missed by his many University and community friends."

Mr. Weston was appointed chairman of the UBC Board of Governors' property committee when the Board held its last meeting of 1980 on Dec. 2.

Born in Revelstoke, B.C., in 1916, Mr. Weston graduated from UBC in 1939 with the degree of Bachelor of Science in Agriculture.

As a student he was associated with one of UBC's early success stories. He worked on the test plots initiated by a group of UBC agriculture professors which led to the development of a variety of alfalfa rhizoma, which is now the premier animal-forage crop in North America and the largest acreage crop in B.C.

Mr. Weston incorporated the crop into his work on land reclamation.

Following graduation from UBC, Mr. Weston went to Malaya as an advisory officer to a fertilizer firm. He joined the Malayan Volunteer Forces in 1940 when war broke out in the Far East and was a prisoner of war of the Japanese from 1941 to 1945, when he returned to Vancouver.

Throughout the 1950s and most of the 1960s, Mr. Weston operated a large farm in the Peace River area of B.C. In 1958 he was awarded the world championship for forage crop seeds at the Royal Winter Fair in Toronto.

Mr. Weston served as a consultant to a number of North American mining companies on land reclamation projects and also undertook assignments abroad on food production under the Colombo Plan and for the UN Food and Agriculture Organization and the Canadian International Development Agency.

Mr. Weston is survived by his wife, Isabel, and one son, John, a student at Harvard University.

Prof. Peter Pearse . . . combines forestry lectures with fisheries inquiry.

Fisheries study now for Pearse

Prof. Peter Pearse, a leading Canadian resource economist, has been appointed a commissioner under the federal Inquiries Act to carry out a study of west coast fisheries and make recommendations on how to deal with the problems of the industry.

Prof. Pearse, who holds joint appointments in the UBC arts faculty's economics department and the Faculty of Forestry, has already had an impact on the B.C. forest industry as the sole commissioner on forest resources in 1975-76.

His report to the provincial government led to the passing of a new Forest Act and a significant upgrading of the B.C. forest service. He was also the co-author last fall of a preliminary report on B.C. fisheries which recommended a thorough review of fishing on the west coast.

His new study charges him with making recommendations on the condition, management and utilization of the Pacific Coast fisheries. He has been asked to submit a preliminary report by Aug. 1 and a final report by Dec. 31 to federal fisheries and oceans minister Romeo LeBlanc, who announced the commission in Ottawa last week.

Meanwhile, Prof. Pearse will continue a series of lectures to forestry students on resource management begun in the second term in the television studio operated by UBC's audio-visual department in the Library Processing Centre (above).

The lectures are being videotaped for use in the forestry faculty's expanded continuing education program designed to upgrade to degree level the qualifications of forest technicians and to keep professional foresters abreast of the latest developments in their discipline.

Professor dead at 42

A memorial service was held Saturday (Jan. 17) for Dr. Ronald C. Riddell, a 15-year member of the UBC mathematics department, who died of leukemia on Jan. 12 at the age of 42. The service took place at Cecil Green Park.

A native of Montreal, Dr. Riddell received his bachelor's degree with combined honors in English and mathematics from UBC in 1960.

Under a scheme aimed at training future university teachers, Dr. Riddell was awarded a fellowship by the Woodrow Wilson Foundation which took him to the University of Chicago, where he received the degree of Master of Science in 1961.

He was a research assistant in the mathematics department at the University of California from 1963 to 1965 and was awarded the degree of Doctor of Philosophy by that university in 1965.

Regarded as an outstanding researcher, Dr. Riddell had recently developed a new mathematical framework to explain the success of numerical calculations of scientists of the higher energy levels of atoms and molecules, work which was considered a promising start on the solution of a problem of fundamental scientific importance.

He also made significant contributions to the history of mathematics and mathematical physics. A recent publication on the history of the theories of planetary motion has been described as "demanding an entire re-thinking of the history of mathematical astronomy."

Dr. Riddell is survived by his wife Gail, a program supervisor in UBC's Centre for Continuing Education; children Colin and Darcy; his mother, Mrs. Alison Riddell; and a brother, Neil, all of Vancouver.

Plans readied for Open House

Hosts of UBC's Open House this year are the Faculties of Agricultural Sciences, Applied Science and Forestry.

The event will be Friday, March 6, 10 a.m. to 10 p.m. and Saturday, March 7, 10 a.m. to 8 p.m. "Resource Management — Planning Today for Tomorrow" is the theme.

A heavy turn-out of high school and first-year college and university students is expected, particularly on Friday. Planning is well under way by an executive committee headed by engineering student Don Moore.

This is the second year of UBC's new Open House format. Each year one-third of the University hosts the event. Last year it was the health sciences. Next year it will be the Faculties of Arts, Commerce and Business Administration, Education, Law and Science.

Popular food worker dies

George McGee, a familiar figure on the UBC campus for 35 years as a member of the Department of Food Services, died Jan. 6 at the age of 64.

A memorial service was held on Jan. 12.

Small and peppery, George McGee was a popular member of the food services staff and knew almost every facet of that department's operations. He was a senior commissary assistant when he retired in May, 1979.

He is survived by two brothers, John and Alex; two sisters, Isabel McGee and Peggy Cousens; and several nieces and nephews, all of Vancouver.

UBC enrolment at record high

UBC's 1980-81 fiscal year enrolment stands at an all-time high of 33,113 students, an increase of 1.6 per cent over 1979-80, when 32,607 were registered.

The enrolment total for the current fiscal year was boosted by increased registrations for two of UBC's three major academic sessions—the 1980 spring session and the current 1980-81 winter session. The 1980 summer session showed a slight decline in registrations to 3,917 students compared to 4,153 in 1979.

UBC bases its total enrolment on the fiscal year, which runs from April 1 each year to the following March 31, for the purpose of reporting official figures to the Universities Council of B.C., the body that acts as an intermediary between the three public universities and the provincial government.

UBC's total enrolment of 33,113 in 1980-81 is the total of the following enrolments in the period April 1, 1980, to March 31, 1981 (1979-80 figures in brackets): 1980 spring session - 3,015 (2,757); 1980 summer session - 3,917 (4,153); 1980-81 daytime winter session - 23,604 (23,161); 1980-81 evening winter session - 1,282 (1,183); and 1980-81 Guided Independent Study (correspondence courses offered through the Centre for Continuing Education) - 1,295 (1,353).

Noteworthy features of UBC's 1980-81 daytime winter session enrolment are a continued increase in the number of women and the number of part-time students enrolling and a significant increase of 6.8 per cent in the size of the first-year class.

Of the total enrolment for the current daytime winter session (up 1.9 per cent over 1979-80), 45.8 per cent are women and 16.2 per cent are enrolled for 11 or fewer units and are classified as part-time students. In 1979-80, women made up 45.6 per cent of daytime enrolment and 15.9 were classified as part-time students.

Looked at on a fiscal year basis, UBC's part-time student enrolment remained stable at 40.3 per cent in 1980-81, but the number of part-timers increased from 13,139 in 1979-80 to 13,335 in the current fiscal year because of the overall enrolment increase.

And over a five-year period, the winter-session percentage of part-timers has increased significantly from 11.9 in 1976-77 to 16.2 in the current fiscal year.

A total of 3,617 students make up UBC's first-year class in the current winter session, an increase of 6.8 per cent over the previous year. This is the result of UBC registering a slightly higher percentage of grade 12 students than in the previous year and ends a decline of recent years in the so-called "participation rate," the percentage of 18-24-year-olds who enrol.

Virtually every degree program offered by the University showed an increase for the current daytime winter session, with large increases being experienced in engineering programs in applied science (up 11.6 per cent), forestry (up 17.5 per cent), medicine (up nearly 15 per cent) and arts (up 4.6 per cent).

Undergraduate enrolments for the current winter session increased by 1.5 per cent and enrolment at the graduate level was up 4.5 per cent, all at the master's level with doctoral enrolments remaining essentially stable.

Coin expert 1st speaker for Vancouver Institute

Lectures on psychology, literature, medicine, philosophy and law highlight the spring series of talks sponsored by the Vancouver Institute beginning on Jan. 31.

The free, Saturday night lecture series, which will continue until April 25, is held in Lecture Hall 2 of the Woodward Building in the Health Sciences Centre complex on the campus. All lectures begin at 8:15 p.m.

Dr. Colin Kraay of Oxford University and one of the world's leading coin experts leads off the spring series Jan. 31 with a lecture entitled "The Coinage of Athens and the Ancient World." He will visit UBC as a Cecil H. and Ida Green Visiting Professor.

In subsequent weeks, lecture topics will include:

— A description of a new type of brain-scanning device to be installed soon in the acute care unit of UBC's Health Sciences Centre to be given by Dr. Brian Pate, associate director of the TRIUMF project;

— The threat of overpopulation, by Dr. Richard J. Blandau of the University of Washington;

— Biofeedback and behavioral medicine, by Prof. Gary Schwartz of Yale University;

— The mystique of the detective story, by British author Julian Symons;

— The role of the courts in the 1980s, by Lord Diplock of Wansford, senior Lord of Appeal in the British House of Lords.

— The annual *Vancouver Sun* lecture will be delivered on April 4 by a speaker to be announced.

A brochure listing all spring Vancouver Institute lecturers and their topics is available from UBC Information Services, 228-3131.

UBC, UVic make music

Two for the price of one. That's what you'll get if you attend the joint concert of the UBC and UVic concert bands Feb. 5, 8 p.m., in the Old Auditorium.

The concert, the first collaboration between the two university bands, will feature Moussorgsky's *Pictures at an Exhibition* as well as pieces performed separately by the two bands. The concert is free and no reservations are necessary.

The two bands will perform at the University of Victoria on Feb. 4, directed by UVic conductor Jesse Read, and will be directed on the Feb. 5 performance at UBC by Martin Berinbaum, an assistant professor in UBC's music department.

The joint concerts mark the end of the UBC band's first tour of Vancouver Island. The band will be touring the Island from Jan. 31 to Feb. 4, giving public concerts and presenting school workshops for local music students in Nanaimo, Port Alberni, Duncan and Parksville.

Reminder: Calendar NOT weekly

Readers are reminded that UBC Calendar, the listing of events on campus, is produced now every two weeks instead of weekly, as pages 7 and 8 of the new UBC Reports.

It is one economy we have made to cut the publishing budget in the Department of Information Services.

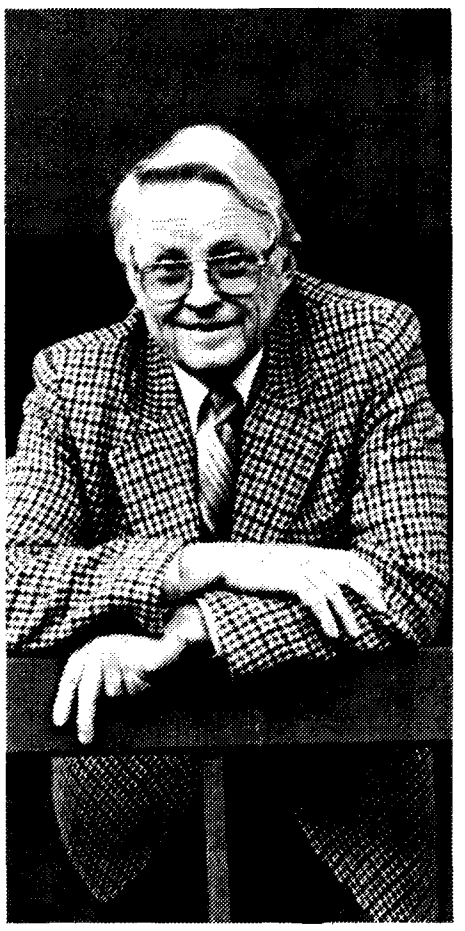
For example, the Calendar in this edition is for events taking place the weeks of Jan. 25-31 and Feb. 1-7. Our next paper, on Feb. 4, will list events for the weeks Feb. 8-14 and Feb. 15-21. The deadline for those listings is Jan. 29.

By eliminating the separate publication of the Calendar on the non-UBC Reports Wednesdays, considerable savings have been achieved in printing and preparation costs, and in the cost of mailing.

As a further economy, UBC Reports will be printed on ordinary newsprint starting next month, not on the heavier, whiter paper of this edition. Our printer is awaiting a shipment of the cheaper paper; he already is charging us the lower rate.

These two economies mean we can double UBC Reports to eight pages from four and still pare the budget.

In conjunction with these changes in UBC Reports, there has been some shuffling of responsibilities within Information Services, and the paper's editor now is Al Hunter. Lorie Chortyk is assistant editor and is in charge of UBC Calendar. Jim Banham, while taking on new duties within the department, becomes a contributing editor to UBC Reports.



Dr. Harold Copp

BOG honors Harold Copp

Of all the honors that have been heaped on him in recent years for his contributions to medical science, the one that appears to please Dr. Harold Copp the most is the decision to attach his name to one of the three Basic Medical Sciences Buildings in the McCreary Health Sciences Centre.

Block A of that trio of buildings was officially renamed The D. Harold Copp Building by the Board of Governors in December on the recommendation of dean of medicine Dr. William Webber. Appropriately, the building houses the Department of Physiology, which Dr. Copp headed from the time UBC's medical school was organized in 1950 until he retired last year.

Dr. Copp is, of course, internationally known for his research on calcium regulation and his discovery of the hormone calcitonin, which is now being used all over the world in the treatment of a number of bone diseases.

Not only did Dr. Copp discover the hormone, which regulates calcium levels in the blood, he also showed that it was secreted by the ultimobranchial glands of lower vertebrates, glands which had no known function hitherto. (A proposal by Dr. Copp to name the hormone "ultimobranchial calcitonin," which would have resulted in the use of the acronym UBC to describe it, came to naught.)

The first pure calcitonin was extracted from the glands of more than half a million B.C. salmon supplied by the Canadian Fishing Co. This was made possible by the co-operation of UBC graduate and chancellor emeritus Donovan Miller, one of the company's top executives.

Retirement as head of physiology hasn't meant the end of Dr. Copp's research career, however. He's still actively engaged in what he describes as his "favorite hobby" — research on calcium regulation.

Prevention the key in sports medicine

Another arrow has been added to the quiver of health sciences specialties taught at the University of British Columbia with the establishment of a Division of Sports Medicine within the University's Faculty of Medicine.

But don't get the idea that the medical experts who staff the new division will be exclusively concerned with the treatment of athletic injuries such as "tennis elbow" or "jogger's knee."

They're even more involved in the concepts of preventive medicine and the training of a wide variety of students who will deliver community health and fitness programs aimed at keeping the cost of medical care under control.

Traditionally, says Dr. Douglas Clement, one of the three fulltime members of the new division, medicine has emphasized the diagnosis and treatment of pathological or disease conditions.

"Today," he adds, "there's a new emphasis on the prevention of disease and physical disabilities through lifestyle modification. That's the whole point of fitness and health promotion programs such as the federal government's Participaction scheme. From the cost point of view, it's a lot more economical to keep individuals functioning normally than to treat them for chronic disease conditions."

The three fulltime members of the division, which is part of the medical school's Department of Family Practice, are Dr. Clement, Dr. Jack Taunton and Dr. Donald McKenzie, who practised together until recently in the Vancouver suburb of Richmond, where they specialized in the treatment of athletic injuries.

The trio, who also hold joint appointments in UBC's School of Physical Education and Recreation, will work closely with the school and with other health sciences professional faculties and departments in the development of an interdisciplinary, preventive medicine program, says Dr. Peter Grantham, who heads the family practice department.

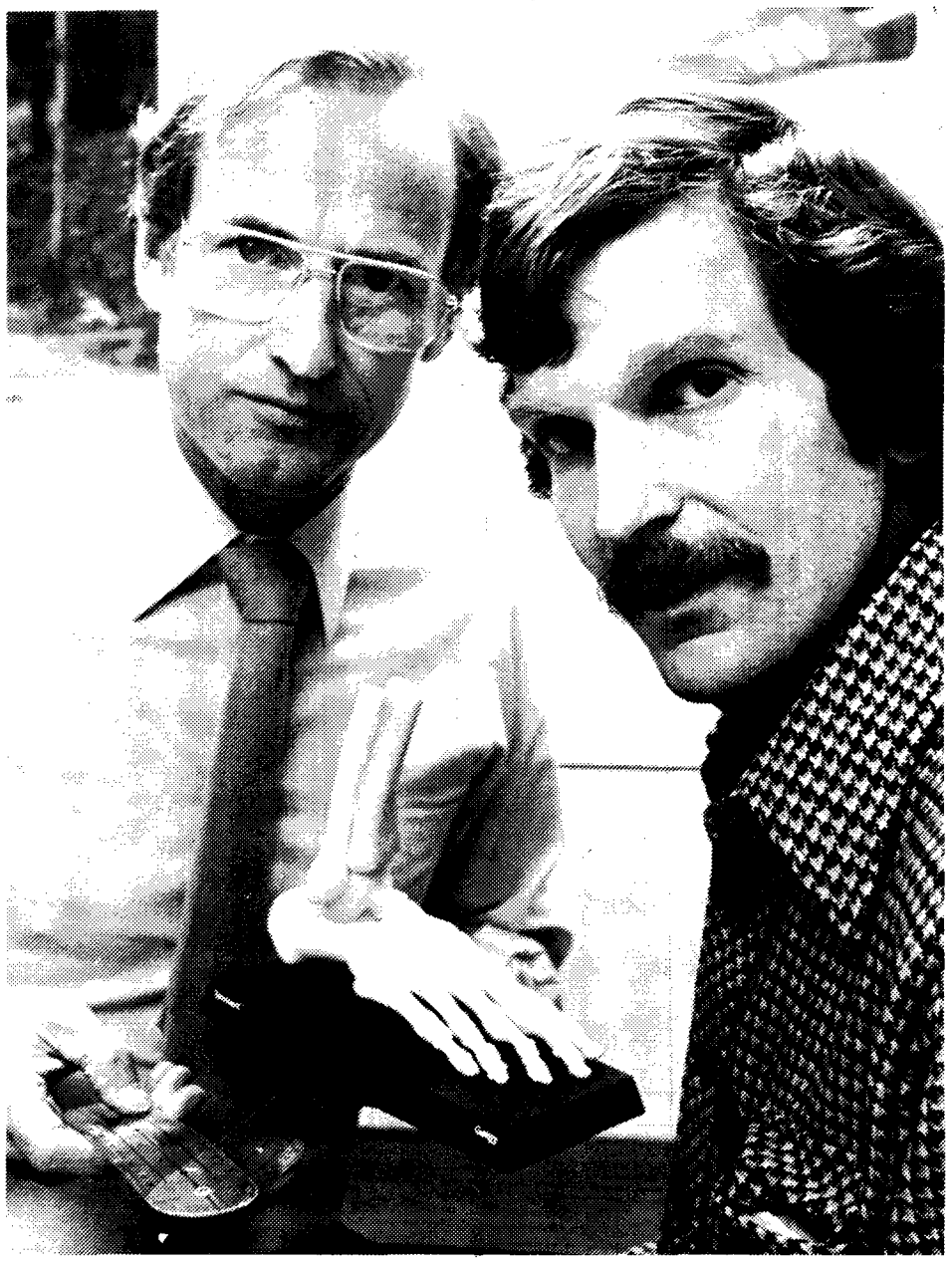
"There is the potential for a broadly based, co-operative program involving students and faculty members from many different areas of the University," he added. "The sports medicine group fits nicely into the basic concept of UBC's Health Sciences Centre through their involvement in teaching, research and public service."

One of the team's primary functions will be the development of an elective course on the prevention and treatment of athletic injuries.

"As a medical student," says Dr. Taunton, "I got no training in the prevention and treatment of sports injuries, exercise physiology, nutrition or any of the other areas that bear on fitness and preventive medicine.

"The aim of the course we'll be developing will be to equip physical education students to deliver fitness and health maintenance programs in the community, to enable doctors to treat injuries resulting from exercise and to acquaint rehabilitation experts with techniques for overcoming disabilities."

Many of the underlying causes of athletic injuries and their treatment will emerge from an active research program sponsored by the division.



Key figures in new Division of Sports Medicine at UBC are Dr. Douglas Clement, left, and Dr. Jack Taunton.

The UBC team has just had accepted for publication in an American sports medicine journal a study of 1,800 athletes with running induced injuries.

The researchers found the knee was the most frequently injured joint in runners with 40 per cent of the group exhibiting some 10 different disorders. The next most common sites of injuries were the tibia (the large bone in the lower leg) and the foot.

By far the most common cause of injury, the study found, was training error, or simply trying to do too much too soon. "Those who sustain injury," says Dr. Taunton, "seem to assume that if a little running is good, a lot more must be better, just as some sick people will mistakenly double their intake of, say, an antibiotic in the hope of clearing up an infection more quickly."

It appears, Dr. Taunton adds, that a runner's heart and lungs adapt to stress much more quickly than the muscles of the body. The lesson to be learned from this is that joggers should increase their activities slowly so that one system doesn't outstrip the others.

Many people, the research team found, sustain injury because they wear improper shoes, which alter the biomechanics of the body. "Just as a tiny bit of misalignment of an automobile tire can produce inordinate wear and tear, the joints of the leg can be injured if the runner is even slightly bowlegged, knockkneed or has a slight difference in leg length," says Dr. Clement.

One of the ways of correcting this problem is to insert an orthotic—a scientifically designed arch support—into the runner's shoe and these devices are the subject of a current research project sponsored by the sports medicine group.

They're using some sophisticated devices that record the movement of a joint graphically in three different planes with the aim of developing orthotics that will prevent injury by making the runner more efficient biomechanically.

Incidentally, Drs. Clement and Taunton recommend that you do your running in the late afternoon after your body has experienced a day of movement, that you equip yourself with a good pair of jogging shoes and that you run only after a period of exercise and stretching. The riskiest time to run is first thing in the morning, unless you begin with an extensive warmup.

Another current research project is the investigation of a condition called "jumper's knee," which afflicts basketball and volleyball players as well as high jumpers and runners. The condition is basically a tendonitis of the large tendon linking the tibia and the kneecap. The team is looking at various modes of exercise to determine which is best for curing the disorder.

In the offing are projects for investigating exercise-induced asthma, which some people experience after exercise, and anaemia related to iron deficiency in athletes.

A third function of the sports medicine group will be to provide a public service by treating injured athletes who are referred to them by off-campus doctors or by the Student Health Service on the UBC campus.

Associated with the group in this aspect of its work will be three orthopedic surgeons who will use the facilities of Lower Mainland hospitals or the acure care unit of the Health Sciences Centre on the UBC campus for surgery where necessary.

The Sports Medicine Clinic, which has been in operation since Dec. 1, currently occupies a wooden building immediately south of the campus extended care unit. Later this year it will be attached to the Johnny Owen Pavilion, a building in the midst of Thunderbird Park, the complex of playing fields south of Thunderbird Boulevard.

"When we're operating at the John Owen site," says Dr. Clement, "we'll be functioning as a clinical unit in which students from medicine, rehabilitation medicine and physical education can come and gain experience in the prevention, diagnosis and treatment of athletic injuries.

"Associated with the clinic will be a group of physiotherapists who will be able to treat and advise injured athletes and a research assistant to undertake investigation of specific injuries.

"All this fits nicely into the basic idea of UBC's Health Sciences Centre, which fosters an interdisciplinary approach to health care that makes use of specialized diagnostic and treatment skills in treating the sick and injured."

And in Drs. Taunton and Clement, clinic patients will be consulting a pair of top athletes who know whereof they speak in the matter of sports injuries. Dr. Clement, in his day, was one of Canada's leading middle distance runners and is chief medical officer for the Canadian Olympic team.

Dr. Taunton is a national-level marathon runner who still competes regularly, as does Dr. Clement, in that gruelling sport.

Student speakers vie for $200

If you are a student at UBC, graduate or undergraduate, and you like to talk, why not try 'speaking' and have a shot at $200?

The first annual UBC public speaking contest will be held Jan. 29, 7:30 to 10 p.m., in Lecture Hall 1 of the Woodward Instructional Resources Centre, with $200 cash and a certificate going to the winner.

Judges from Toastmasters International, UBC faculty, and the UBC Debating Society, will consider content, organization, logic, manner, credibility, presentation, delivery and style.

Talks may be humorous or serious on any topic and must be of five to seven minutes in length.

Pre-registration, although not compulsory, is preferred. Call Dr. Ralph Yorsh (dentistry) at 876-5131 and give your name, faculty, year and telephone number.

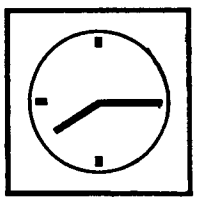
Only UBC students may take part.

UBC CALENDAR

UBC Calendar Deadlines

For events in the weeks of Feb. 8 and Feb. 15, material must be submitted not later than 4 p.m. on Jan. 23.
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.



Saturday, Jan. 31
The Coinage of Athens and the Ancient World. Dr. Colin M. Kraay, fellow, Wolfson College, Oxford University. Lecture Hall 2, Woodward Instructional Resources Centre. 8:15 p.m.

SUNDAY, JAN. 25

B.C. Gardens.
Second in a series of CBC television programs featuring the UBC Botanical Gardens as an anchor point for a province-wide look at horticulture. Hosts: David Tarrant, Botanical Gardens educational co-ordinator, and CBC personality Bob Switzer. Today's program looks at Tofino Rhododendrons. CBC, Channel 3. 11:30 a.m.

MONDAY, JAN. 26

Economics Week.
Opportunities in Economics – Is there Life after Graduation? Lorne Siverton, executive director, Economic Analysis and Research Bureau, Ministry of Industry and Small Business Development; Bill Lee, president, Canadian Resources Ltd.; and George Pederson, corporate economist, MacMillan Bloedel. Room 102, Buchanan Building. 12:30 p.m.

UBC Brass Choir.
Music of Ingolf Dahl with director Gordon Cherry. Recital Hall, Music Building. 12:30 p.m.

Planetary Economics Series.
Land and People. Room 308, Library Processing Building. 12:30 p.m.

Applied Mathematics Seminar.
Epidemics in Growing Populations. Dr. Bill Derrick, University of Montana. Room 203, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
Systematic Deviations From Pure Hubble Flow in the Vicinity of the Local Supercluster. Dr. Paul Schechter, Kitt Peak National Observatory, Tucson, Ariz. Room 318, Hennings Building. 4:00 p.m.

Asian Studies Colloquium.
The Taoist View of Man – With an Analysis of Wu Wei. Lawrence Lau, Asian Studies, UBC. Penthouse, Buchanan Building. 4:30 p.m.

Zoology "Physiology Group" Seminar.
In Pursuit of the Peripatetic Proton; Brain Extracellular H^+ Regulation. Dr. T.F. Hornbein, Anaesthesiology, University of Washington, Seattle. Room 2449, Biological Sciences Building. 4:30 p.m.

Poetry Reading.
Pier Giorgio Di Cicco. Sponsored by the League of Canadian Poets and UBC's creative writing department. Admission is free. Penthouse, Buchanan Building. 8:00 p.m.

TUESDAY, JAN. 27

Obstetrics and Gynaecology Rounds.
Review of Twin Pregnancy Experience in the Grace Hospital. Dr. James King and Dr. Ray Vaughan. B Floor Lecture Hall, Vancouver General Hospital. 8:00 a.m.

Geography Lecture.
Urbanization under Capitalism. David Harvey, Geography and Environmental Engineering, The Johns Hopkins University. Room 200, Geography Building. 9:30 a.m.

Slavonic Studies Lecture.
Chekhov. Dr. Ronald Hingley, University of Oxford. Room 102, Buchanan Building. 12:30 p.m.

Botany Seminar.
A Tale of Two Rivers: Experimental Approaches to Benthic Algal Processes. Dr. Max Bothwell, National Water Research Institute, Department of Environment, Vancouver. Room 3219, Biological Sciences Building. 12:30 p.m.

Asian Research Noon-Hour Series.
Prisoners of Conscience. Room 106, Buchanan Building. 12:30 p.m.

Freesee Film Series.
Zulu Zion, the third in this series with the general title The Long Search. Auditorium, Student Union Building. 12:30 p.m.

Weekly Weather Briefing.
Weekly lunch hour weather map discussions are held every Tuesday. All interested students, faculty and staff are invited to attend. Room 214, Geography Building. 12:30 p.m.

Medical Genetics Seminar.
Pseudocholinesterase. Dr. D. Wensley. Fourth Floor Conference Room, Health Centre for Children. 1:00 p.m.

Modern Chemical Science Seminar.
Chemistry of Synthesis Gas. Dr. M.D. Fryzuk. Room 225, Chemistry Building. 1:30 p.m.

Oceanography Seminar.
Wind Mixing and Restratification in a Lake. Dr. D. Farmer, Institute of Ocean Sciences, Sidney, B.C. Room 1465, Biological Sciences Building. 3:30 p.m.

Management Science Seminar.
Shadow Prices in Non-Convex Mathematical Programming. Prof. J. Gauvin, Ecole Polytechnique, Universite de Montreal. Room 312, Angus Building. 3:30 p.m.

Biochemistry Seminar.
Mechanisms of Membrane Fusion. Dr. M.J. Hope, Biochemistry, UBC. Lecture Hall 1, Woodward Instructional Resources Centre. 4:00 p.m.

Chemistry Research Conference Series.
1,3-Dipolar Cycloadditions. There's Life in the Old Girl Yet. Dr. R. Grigg, Chemistry, Queen's University, Belfast. Room 250, Chemistry Building. 4:30 p.m.

International House.
Spanish Language Evening. International House. 7:00 p.m.

Men's Volleyball.
UBC meets the University of Manitoba in the War Memorial Gymnasium. 7:30 p.m.

UBC Public Affairs.
What Can Canada Expect from the Reagan Presidency? Dr. Richard Johnston and Dr. David Haglund, Political Science, UBC, with host Gerald Savory. Cable 10, Vancouver Cablevision. (Program will be repeated on Jan. 28 at 3:00 p.m.) 9:00 p.m.

WEDNESDAY, JAN. 28

Geography Lecture.
Urbanization under Capitalism. David Harvey, Geography and Environmental Engineering, The Johns Hopkins University. Room 200, Geography Building. 9:30 a.m.

Pharmacology Seminar.
The Role of Vasopressin in the Control of Blood Pressure. Dr. J.R.J. McNeill, Pharmacology, University of Saskatchewan. Room 114, Block C, Medical Sciences Building. 12:00 noon.

Hillel House Film.
Etizion. Admission is free. For more information, call 224-4748. Hillel House. 12:30 p.m.

Wednesday Noon-Hour Concert.
Music of Schubert, Sarasate, Wieniawski and Bizet. David Zafer, violin, assisted by John Loban, violin, and Jane Coop, piano. Recital Hall, Music Building. 12:30 p.m.

Ascent of Man Series.
Hidden Structure. Room 308, Library Processing Building. 12:30 p.m.

Slavonic Studies Lecture.
The Russian Mind. Dr. Ronald Hingley, Oxford University. Room 102, Buchanan Building. 12:30 p.m.

Simulation and Modelling in Science.
The Automaton as Modeller. Dr. James V. Whittaker, Mathematics, UBC. Room 105, Mathematics Building. 12:30 p.m.

Apple Computer Users Meeting.
A chance for faculty, staff and student users of Apple II Microcomputers to get to know one another and to discuss the development and exchange of software. Room 115, Hut B8, 2204 Main Mall. 2:30 p.m.

Statistics Workshop.
A Mathematical Model for Resistance to Chemotherapy Exhibited by Various Neoplasms. Andy Coldman, statistician, Cancer Control Agency of B.C. Room 239, Geography Building. 3:30 p.m.

Slavonic Studies Lecture.
Poets, Audiences, Stalin. Dr. Ronald Hingley, Oxford University. Room 2224, Buchanan Building. 3:30 p.m.

Geography Lecture.
Social Science and the City Revisited. David Harvey, Geography and Environmental Engineering, The Johns Hopkins University. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.
Social Behavior of the Newfoundland Labrid Tautogolabrus adspersis. Dr. John Green, Biology, Memorial University. Room 32, Hut B-2. 4:00 p.m.

Geophysics Seminar.
Glacier Outburst Floods. Dr. G.K.C. Clarke, Geophysics and Astronomy, UBC. Room 260, Geophysics and Astronomy Building. 4:00 p.m.

Comparative Literature Lecture.
Modes of Ululation: The Concept and Contexts of Black Humor. Patrick O'Neill, Germanic Studies, UBC. Penthouse, Buchanan Building.4:30 p.m.

Agricultural Sciences Celebration.
Members of the Agricultural Sciences faculty (staff, students, faculty and past grads) are invited to a wine and cheese party in celebration of the faculty's 65th birthday. No charge. For more information, call 228-5085. Cecil Green Park. 7:30 to 11:30 p.m.

Mackay Lecture Series.
Geotechnical Behavior of Frozen Ground. Prof. N.R. Morgenstern, University of Alberta. Room 100, Geography Building. 8:00 p.m.

Immunology Seminar.
Dr. Kwok-Choi Lee, Immunology, University of Alberta. Music Room, Faculty Club. 8:00 p.m.

Cinemawest.
Jane Eyre. Admission is $1 with AMS card. Auditorium, Student Union Building. 8:00 p.m.

Economics Week.
Wine, beer and snacks served in Rooms 207 and 209 of the Student Union Building. 8:30 p.m.

THURSDAY, JAN. 29

Dentistry Seminar.
A Facility for Multidisciplinary Studies on Muscle activity, Jaw Displacement, and Occlusion. Dr. A.G. Hannam, Oral Biology, UBC. Room 388, Macdonald Building. 12:00 noon.

Economics Week.
The Relevance of Economic Analysis to Government Policy and Business Decisions (Panel Discussion). Rod Dobell, University of Victoria; Robert Keyes, group economist, Cominco; and David Emerson, B.C. Department of Finance. Room 100, Buchanan Building. 12:30 p.m.

UBC Contemporary Players.
Music of Hultberg, Rochberg, Weisgarber, Schoenberg and Berio. Stephen Chatman, director. Recital Hall, Music Building. 12:30 p.m.

Women's Studies Speaker.
Widowhood in Early Victorian Britain. Dr. Jim Winter, History, UBC. Room 204, Buchanan Building. 12:30 p.m.

Academic Women's Association.
Thoughts on Stocks: Art of Investment and Market Maxims. Gwen Sharp, Rademaker, MacDougall and Company, Vancouver. Non-members welcome. Penthouse, Buchanan Building. 12:30 p.m.

Home Economics Lecture.
Children of the Depression: Rich Data Revisited. Prof. Glen Elder, Sociology, Cornell University, N.Y. Room 202, Buchanan Building. 12:30 p.m.

Panel Discussion.
Women in Engineering. Sponsored by the Women Students' Office. Speakers: L. Woolsey, M. Green, C. Small, N. Risebrough, M. Haugen, S. White, J. Loh. Room 102, Buchanan Building. 12:30 p.m.

Mechanical Engineering Seminar.
Evolution in Engineering Research – Personal Involvements of J.P. Duncan in Engineering 1947-1980. Prof. J.P. Duncan, head, Mechanical Engineering, UBC. Room 2054, Civil and Mechanical Engineering Building. 12:30 p.m.

Cinemawest.
Jane Eyre. Admission is $1 with AMS card. Auditorium, Student Union Building. 12:30 p.m.

Fine Arts Lecture.
Problems of Dating Hokkedo Kompon Mandala, a Buddhist Painting in the Museum of Fine Arts, Boston. Moritaka Matsumoto. Room 104, Lasserre Building. 12:30 p.m.

Faculty Association General Meeting.
Room 100, Mathematics Building. 1:00 p.m.

Physics Condensed Matter Seminar.
Magnetic Resonance Studies of H-Atoms on Helium Films. Reijer Jochemsen. Room 318, Hennings Building. 3:30 p.m.

Applied Mathematics Seminar.
Some Effects of Uncertainty on the Behavior of Fishermen and the Dynamics of the Fishery. Room 203, Mathematics Building. 3:30 p.m.

Slavonic Studies Lecture.
Dostoyevsky's Humor. Dr. Ronald Hingley, Oxford University. Room 2224, Buchanan Building. 3:30 p.m.

Biochemistry Seminar.
The Contractile Proteins of the Chromaffin Cells. Dr. J.M. Trifaro, Pharmacology and Therapeutics, McGill University. Lecture Hall 5, Woodward Instructional Resources Centre. 4:00 p.m.

Physics Colloquium.
Small High Technology Companies – The Key to Prosperity? Dr. J. Douglas, Alberta Research Council, Edmonton. Room 201, Hennings Building. 4:00 p.m.

Asian Research China Seminar.
Critical Ground: The Transformation of the May 4th Literary Tradition. Dr. Theodore Huters, Asian Studies, UBC. Penthouse, Buchanan Building. 4:30 p.m.

Subfilms.
Being There. Continues until Sunday, Feb. 1. Showings are 7:00 and 9:30 p.m. on Friday, Saturday and Sunday. Admission is $1 with AMS card. Auditorium, Student Union Building. 7:00 p.m.

CUSO China Night.
Upper Lounge, International House. 7:30 p.m.

Geography Lecture.
The Spatial Fix: The Theory of Imperialism in Hegel, von Thunen, Marx and Lenin. David Harvey, Geography and Environmental Engineering, The Johns Hopkins University. Room 100, Geography Building. 7:30 p.m.

FRIDAY, JAN. 30

Economics Week.
Steps to Improve International Economic Policy Co-ordination. Grant Reuber, executive vice-president, Bank of Montreal, and former deputy Minister of Finance. Room 100, Buchanan Building. 12:30 p.m.

Developmental Medicine Seminar.
Evidence that Hydrolazine Can Relax Vascular and Intestinal Smooth Muscle Without Lowering Cytoplasmic Calcium Concentration. Dr. Jack Diamond, Pharmaceutical Sciences, UBC. First Floor Seminar Room, Willow Pavilion, Vancouver General Hospital. 12:30 p.m.

Medical Genetics Seminar.
Autoimmunity and Macrophage Function. Dr. K.C. Lee, University of Alberta. First Floor Conference Room, Health Centre for Children. 1:00 p.m.

Management Science Seminar.
Education Resource Multipliers for Use in Local Public Finance: An Input-Output Approach. Prof. Anthony Boardman, Commerce and Business Administration, UBC. Room 412, Angus Building. 3:30 p.m.

Chemical Engineering Seminar.
Fouling Deposits in Electrodialysis. A. Tremblay. Room 206, Chemical Engineering Building. 3:30 p.m.

Christian Campus Ministry.
Spirituality and Action. Dick Overman, Religious Studies, University of Puget Sound. Program continues on Saturday, Feb. 1. To register, call 228-3722. 5:30 p.m.

International House.
Folk Night/Coffee Night. International House. 7:00 p.m.

Faculty Recital.
Music of J.S. Bach, Telemann, L. Moyse and Hotteterre. Paul Douglas, flute, with the Vancouver Baroque Ensemble: Ross Carstairs, flute; Mary Hume, flute; Michael Grieve, bassoon; Suzanne Gibson, harpsichord; and Audrey Nodwell, cello. Recital Hall, Music Building. 8:00 p.m.

Ice Hockey.
UBC Thunderbirds play the University of Calgary. Thunderbird Winter Sports Centre. 8:00 p.m.

SATURDAY, JAN. 31

Working with Words.
A seminar featuring Dick Brown on freelance writing and editing. Continues until 4:30 p.m. Fee is $35. To register, call the Centre for Continuing Education, 228-2181. Angus Building. 9:00 a.m.

Cancer Conference.
UBC Pre-Medical Society is sponsoring a free conference on cancer. There will be nine lectures as well as films and displays. Continues until 4:00 p.m. For more information, call Richard Steeves, 224-9017. Woodward Instructional Resources Centre. 10:00 a.m.

Men's Gymnastics.
UBC will compete with the Huskies Gymnastics Club from Seattle. Osborne Centre, Thunderbird Blvd. 2:00 p.m.

Swimming.
UBC's men's and women's swimming and diving teams meet the University of Calgary. UBC Aquatic Centre. 2:00 p.m.

Rugby.
UBC Thunderbirds play James Bay. Thunderbird Stadium. 2:30 p.m.

Biochemistry Seminar.
Membranes and Virulence. Dr. T. Buckley, Biochemistry, University of Victoria, B.C. Lecture Hall 1, Woodward Instructional Resources Centre. 4:00 p.m.

Physiology Seminar.
Tumour Antigens in Leukaemia. Dr. Julia Levy, Microbiology, UBC. Room 2605, Block A, Medical Sciences Building. 4:30 p.m.

Continued on page 8

UBC CALENDAR

continued from page 7

SATURDAY, JAN. 31 (cont'd)

Faculty Club International Dinner and Dance.
A Visit to Copenhagen. $15 per person. Members and guests only. Reservations required. 7:00 p.m. to 1:00 a.m.

Mardi Gras Masked Ball.
Sponsored by the UBC sororities and fraternities. Proceeds go to multiple sclerosis. Tickets are $5 and are available at the AMS ticket office. Commodore. 8:00 p.m.

Ice Hockey.
UBC Thunderbirds meet the University of Calgary. Thunderbird Winter Sports Centre. 8:00 p.m.

MONDAY, FEB. 2

Planetary Economics Series.
The Metropolis. Room 308, Library Processing Building. 12:30 p.m.

The State of the Human Sciences Series.
Marxism and Beyond. Prof. Ferenc Feher, Social Sciences Research Centre, The Australian National University. Room 102, Buchanan Building. 12:30 p.m.

World University Services of Canada.
Fort Good Hope. Part of a series on international development. A film by the National Film Board dealing with the Canadian Indians. Room 205, Buchanan Building. 12:30 p.m.

Computing Centre Lecture.
Introduction to Computing. First in a series of six lectures by Mr. M. Patterson of UBC Computing Centre. To register, call 228-6611. Room 201, Computer Sciences Building. 2:30 p.m.

The State of the Human Sciences Series.
Lukacs' Theory of Modern Culture. Prof. Ferenc Feher, Social Sciences Research Centre, The Australian National University. Penthouse, Buchanan Building. 3:30 p.m.

Applied Mathematics Seminar.
Long Nonlinear Waves in Stratified Shear Flows. Dr. Roger Grimshaw, University of Melbourne, Australia. Room 203, Mathematics Building. 3:45 p.m.

TUESDAY, FEB. 3

Computing Centre Lecture.
Introduction to Using MTS: Commands, Files and Terminals. (Section 1). First in a series of 12 lectures by Ms. Susan Mair of UBC Computing Centre. To register, call 228-6611. Room 305A, Computer Sciences Building. 9:30 a.m.

Librarianship Lecture.
Children's Literature. Edward Blishen, author, broadcaster and teacher. Room 835, Main Library. 11:30 a.m.

Weekly Weather Briefing.
Weekly lunch hour weather map discussions are held every Tuesday. All interested students, faculty and staff are invited to attend. Room 214, Geography Building. 12:30 p.m.

The State of the Human Sciences Series.
Paradigm of Production or Paradigm of Work? Prof. Agnes Heller, Sociology, LaTrobe University. Room 100, Buchanan Building. 12:30 p.m.

Cecil and Ida Green Lecture.
Greek Coins of Sicily. Dr. Colin M. Kraay, fellow, Wolfson College, Oxford University. Room 102, Buchanan Building. 12:30 p.m.

Freesee Film Series.
A Question of Balance, the fourth in this series with the general title The Long Search. Auditorium, Student Union Building. 12:30 p.m.

Women's Studies Speaker.
Quebec Women in Film and Fiction. Dr. Eva-Marie Kroller, English, UBC. Room 204, Buchanan Building. 12:30 p.m.

Modern Chemical Science Seminar.
Immunochemistry: Some Aspects of the Chemistry of Bacteria. Dr. G.G.S. Dutton, Chemistry, UBC. Room 225, Chemistry Building. 1:30 p.m.

The State of the Human Sciences Series.
Is Abundance or Scarcity the Precondition of Socialism? Prof. Agnes Heller, Sociology, LaTrobe University. Penthouse, Buchanan Building. 3:30 p.m.

Oceanography Seminar.
Fraser River Estuary: Part I – Physical Parameters and the Character of Suspended Particulate Matter During Tidal Cycles. Dr. Gary Holmes, Geological Sciences, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

Chemistry Research Conference Seminar.
Studies of Structures and Forbidden Dipoles by Microwave Spectroscopy. Dr. M.C.L. Gerry, Chemistry, UBC. Room 250, Chemistry Building. 4:30 p.m.

Women's Network.
Champagne Taste on a Beer Budget. A panel of five local financial experts in the fields of investments, banking and real estate. Fee is $10 for members; $15 for non-members. Ballroom Holiday Inn Harborside. 7:00 p.m.

WEDNESDAY, FEB. 4

Science and the Citizen.
Science and the Meaning of Time. Michael Ovenden, Geophysics and Astronomy, UBC. Auditorium, Robson Square Media Centre. 12:00 noon.

Pharmacology Seminar.
Immunological Studies in Multiple Sclerosis. Dr. Donald W. Paty, Neurology, UBC. Room 114, Medical Sciences Building, Block C. 12:00 noon.

Ascent of Man Series.
Music of the Spheres. Room 308, Library Processing Building. 12:30 p.m.

Simulation and Modelling in Science.
Satellite Images and Their Use in Modelling Ocean Circulation. Dr. Lawrence A. Mysak, Mathematics and Oceanography, UBC. Room 105, Mathematics Building. 12:30 p.m.

Wednesday Noon-Hour Concert.
Music of Handel, Schumann, Finzi and Warlock. Donald Brown, baritone and James Manson, piano. Recital Hall, Music Building. 12:30 p.m.

The State of the Human Sciences Series.
Marxist Conceptions of Art and Literature. Prof. Ferenc Feher, Social Sciences Research Centre, The Australian National University. Room 102, Buchanan Building. 12:30 p.m.

Statistics Workshop.
Path Dependent Options. Dr. Phelim P. Boyle, Commerce, UBC. Room 239, Geography Building. 3:30 p.m.

The State of the Human Sciences Series.
Jacobin and Anti-Jacobin Tendencies in Marxism. Prof. Ferenc Feher, Social Sciences Research Centre, The Australian National University. Penthouse, Buchanan Building. 3:30 p.m.

Animal Resource Ecology Seminar.
Benthic Prey Availability to Fish – An Emergent Property of Community Organization. Dr. Kim Hyatt, Pacific Biological Station, Nanaimo. Room 32, Hut B-2. 4:00 p.m.

THURSDAY, FEB. 5

Faculty Recital.
Music of Ariosti and Stamitz. Viole d'Amour Recital with Hans-Karl Piltz. Recital Hall, Music Building. 12:30 p.m.

World University Services of Canada.
Tree-Hunters of Mistansini. Part of a series on international development. A film by the National Film Board dealing with the Canadian Indians. Room 205, Buchanan Building. 12:30 p.m.

Fine Arts Lecture.
Ut Pictura Musica: Sebastiano Conca's Allegories in the Galleria Spada. Tom Sokolowski. Room 104, Lasserre Building. 12:30 p.m.

The State of the Human Sciences Series.
The Power of Knowledge: Contribution to the Problem of the Class Rule of the Intellectuals. Prof. Agnes Heller, Sociology, LaTrobe University. Room 100, Buchanan Building. 12:30 p.m.

Cecil and Ida Green Lecture.
Ephesus: A City and its Coinage. Dr. Colin M. Kraay, fellow, Wolfson College, Oxford University. Room 102, Buchanan Building. 12:30 p.m.

Computing Centre Open House.
Self-guided tour through the machine room. Open to all students, staff and faculty. Room 100, Computer Sciences Building. 12:30 p.m.

Physics Condensed Matter Seminar.
Non-linear Excitations in Low-Dimensional Magnets. Alan Bishop, Los Alamos Scientific Lab. Room 318, Hennings Building. 2:30 p.m.

The State of the Human Sciences Series.
The Specificity of the Philosophy of History. Prof. Agnes Heller, Sociology, LaTrobe University. Penthouse, Buchanan Building. 3:30 p.m.

Physics Colloquium.
Cosmic Background Radiation and the Big Bang. Dr. H.P. Gush, Physics, UBC. Room 201, Hennings Building. 4:00 p.m.

Subfilms.
The Night Porter. Admission is $1 with AMS card. Auditorium, Student Union Building. 7:00 p.m.

English Lecture.
The State of Children's Literature: A View from England. Edward Blishen, author, broadcaster and teacher. No charge. Robson Square Theatre. 7:30 p.m.

CUSO Nicaragua Night.
Upper Lounge, International House. 7:30 p.m.

Wind Symphony Concert.
Music by Moussorgsky, Pictures at an Exhibition and other transcriptions. UBC Wind Symphony, directed by Martin Berinbaum, and U-Vic Wind Symphony, directed by Jesse Read. Old Auditorium. 8:00 p.m.

FRIDAY, FEB. 6

Developmental Medicine Seminar.
Mechanism of Action of GIP. Dr. John Brown, Physiology, UBC. First Floor Seminar Room, Willow Pavilion, Vancouver General Hospital. 12:30 p.m.

Geological Sciences Seminar.
The Olympic-Wallowa Lineament, and its Implications for Tectonics in the Columbia Plateau. Dr. G. Davis, Geological Sciences, University of Southern California, Los Angeles. Room 330A, Geological Sciences Building. 2:30 p.m.

Women's Basketball.
UBC Thunderettes meet the University of Victoria. War Memorial Gymnasium. 6:45 p.m.

Subfilms.
The Magic Christian (7:00 p.m.) and Young Frankenstein (9:30 p.m.). Admission is $1 per show with AMS card. Auditorium, Student Union Building.

Men's Basketball.
UBC Thunderbirds play the University of Victoria. War Memorial Gymnasium. 8:30 p.m.

SATURDAY, FEB.7

B.C. Mental Retardation Institute Seminar.
Sexuality and the Mentally Retarded Person. Dr. George Szasz, Health Care and Epidemiology, UBC, and Dr. Peter Johnson, Vancouver-Richmond Association for the Mentally Retarded. Berwick Memorial Centre. 9:00 a.m.

Rugby.
UBC Thunderbirds meet the University of Victoria. Thunderbird Stadium. 2:30 p.m.

Women's Basketball.
UBC Thunderettes meet the University of Victoria. War Memorial Gymnasium. 6:45 p.m.

Subfilms.
The Buddy Holly Story (7:00 p.m.) and Return of the Dragon (9:30 p.m.). Admission is $1 per show with AMS card. Auditorium, Student Union Building.

The Vancouver Institute.
PET: A Radiochemist's View of a Brain at Work. Dr. Brian D. Pate, associate director, TRIUMF, UBC. Lecture Hall 2, Woodward Instructional Resources Centre. 8:15 p.m.

Men's Basketball.
UBC Thunderbirds play the University of Victoria. War Memorial Gymnasium. 8:30 p.m.

Notices...

Faculty and Graduate Students
Please remember to return your UBC Library Survey of Collections questionnaire this week.

Recreation UBC
Recreation UBC offers a number of programs from January to April. Programs offered include: strength training, circuit training, badminton, dynafit, basic skating, jazz dance, karate, modern dance, tennis, yoga and women's self defence. Registration must be done in person in Room 203 of War Memorial Gymnasium. Faculty and staff can purchase a Rec UBC card upon registration. For information on dates and times, contact Theresa Johannsen, at 228-3996 (days) or 731-5477 (evenings).

Fine Arts Exhibition
The Fine Arts Gallery, located in the basement of Main Library, presents Off Centre and Under Pressure by John Watts. Continues until Jan. 31. From Feb. 4-28, the gallery presents Pellan Drawings, circulated by the National Program of the National Gallery.

Frederic Wood Theatre
Brecht on Brecht by Brecht/Tabori continues until Jan. 24. Admission is $5.50; $3.50 for students. For ticket reservations, call 228-2678, or drop by Room 207 of the Frederic Wood Theatre Building.

Faculty/Staff Exercise Class
Meets Mondays, Wednesdays and Fridays from 12:30 p.m. to 1:05 p.m. in the Robert Osborne Centre, Gym E. No charge. For information, call 228-4479.

Museum of Anthropology
Exhibits: Salish Art: Visions of Power, Symbols of Wealth continues until April; Kwagiutl Graphics: Tradition in a New Medium continues until April; West Coast Graphics: Images of Change continues until April; Images of Imperial Power: Coins, keys, seals, weights, and sculptures from the Roman and Byzantine Courts opens Jan. 20 and continues until March 15.
Salish Sunday Presentations. Theatre Gallery, 3 p.m. A short series of talks presented to provide background information on the museum's special exhibit, Salish Art: Visions of Power, Symbols of Wealth.
Feb. 8 – Questions and Answers on the Salish Exhibit. Michael Kew, exhibit curator.
Feb. 15 – The Cultural Context of Coast Salish Art. Wayne Suttles.
Feb. 22 – Coast Salish Art as a Variant of Northwest Coast Art. Bill Holm and Thomas Burke.
March 1 – Salish Textiles. EuJane Taylor.
The museum is open from noon to 9 p.m. on Tuesdays; from noon to 5 p.m. Wednesdays through Sundays, and is closed Mondays.

Graduate Students 1981-82
The UBC Awards Office offers a number of graduate fellowships for masters and Ph.D. students attending UBC. Further information can be obtained from the department in which you are or will be studying. The deadline for receipt of applications is Feb. 14, 1981.

Language Institute Courses
The Centre for Continuing Education offers non-credit courses in conversational Japanese beginning Jan. 21, and new downtown programs in conversational French and French for business and commerce begin Feb. 3. For more information, call Language Programs and Services, Centre for Continuing Education, at 228-2181, local 227.

Campus Religious Services
Vancouver School of Theology – Anglican rite at 7:30 a.m. Monday-Friday (Eucharist on Monday, Wednesday, Friday; morning prayer on Tuesday and Thursday); Ecumenical community worship at 10:15 a.m. on Thursday; United Church service at 8:30 a.m. Tuesday. Chapel of the Epiphany, Chancellor Boulevard.
St. Mark's College – Mass at 12:30 and 4:30 p.m. Monday-Saturday and at 9:30 and 11:30 a.m. and 4:30 p.m. on Sunday. 5935 Iona Drive.
Regent College – Service at 11:30 a.m. Tuesday. 2120 Wesbrook Mall.
St. Andrews Hall – Service at 11 a.m. Sunday. 6040 Iona Drive.
Lutheran Campus Centre – Sunday services at 9:30 and 11:30 a.m. and 7 p.m. and Eucharist on Tuesdays at 12:30 p.m. 5885 University Boulevard.
Quaker Worship Group – Meets Wednesday at 12:30 p.m. in Room 213 of The Student Union Building.

The President's Report 1979-80
The annual report of President Douglas Kenny to the Senate and Board of Governors for the 1979-80 academic year is now available. Copies are available from Information Services, Old Administration Building, 228-3131.

Nitobe Garden Hours
Until March 1 – open weekdays 10 a.m. to 3 p.m. Closed weekends.

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

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.