SPECIAL COLLECTIONS

No time lost in carrying out erosion mandate

UBC Board of Governors member Stanley Weston is losing no time in carrying out his mandate as a one-man task force to prepare a plan for "immediate remedial action of the Point Grey cliff erosion problem."

He has set Nov. 8, 9 and 10 as dates for public meetings on the problem and has requested meetings with individuals and organizations with whom he was asked to consult in the preparation of a "written plan of operation, timetable and budget" for control of the erosion problem.

UBC's Board of Governors, at its meeting on Oct. 2, approved Mr. Weston's appointment as the University's representative to carry out a critique of proposals to control cliff erosion prepared by Swan Wooster Engineering Co. for UBC's marine foreshore development committee.

The Board also authorized public release of the Swan Wooster 'master plan' but did not endorse the report.

Mr. Weston, a UBC graduate, has 60 days in which to prepare a critique of the Swan Wooster proposals and to come up with his own recommendations. He will report to the property committee of the Board, which will in turn make recommendations to the full Board of Governors.

The public meetings arranged by Mr. Weston will be held at Lord Byng seconday school, 3939 West 16th Ave., on Nov. 8 and 9 at 7:30 p.m. and in Lecture Hall 2 of UBC's Woodward Building on Nov. 10 from 2:30 to 5:00 p.m.

The public meetings will include explanations of the Swan Wooster plan and alternative proposals for erosion control and will provide an opportunity for interested parties to make their views known on the cliff erosion problem.

Individuals who wish to make formal presentations can obtain further information by calling Mr. Weston's task force office at 228-5311.

UBC reports

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UBC has called for tenders to complete the interior of the Asian Centre, shown in architect's sketch above, adjacent to the Nitobe Memorial Garden. UBC has been authorized to borrow funds to complete the centre, which has stood half complete since 1975. For more details on this and other campus construction projects, see story below.

UBC calls for Asian Centre tenders

UBC's long-awaited Asian Centre should be ready for occupancy in the spring of 1981.

Tenders for completion of Phase II of the building have been called, UBC's Board of Governors was told at its meeting on Oct. 2, and work on completion of the interior is expected to resume in November.

The completed building will house UBC's 202,155-volume Asian studies library as well as offices for members of the Department of Asian Studies and the Institute for Asian Research. Transfer of the Asian Studies Division to the new building will free up badly needed stack and study space in the Main Library.

The Asian Centre will also contain an auditorium of up to 250 seats for performance of Asian music, theatre and dance and an exhibition area. The Asian music section of the Department of Music will have performance studios in the building as well as storage space for instruments.

UBC has been authorized by the provincial government to borrow up to $3,591,952 to complete the Asian Centre. Phase I of the project, which cost $1.6 million, enabled the University to erect the steel framework of the building, donated by the Sanyo Corporation following Expo '70 in Osaka, Japan, and to complete the centre's exterior. Further work was halted in August, 1975, when available funds ran out.

UBC also expects to call tenders before the end of the year for the new Home Economics Building to be built on the East Mall opposite the new Library Processing Centre. The provincial government has now authorized the University to borrow up to $4,041,000 for the project.

The University also hopes it will be able to call for tenders early in the new year for construction of a new Coal Research Laboratory for the Department of Mineral Engineering, which will be built adjacent to the Frank Forward Building for metallurgy.

The new laboratory is linked to an expanded teaching and research program in coal technology, which also involves the completion of unfinished space in the Forward Building to enable the mineral engineering department to move from its present quarters at the corner of the West Mall and University Boulevard. A new option in coal engineering is now in operation in the mineral engineering department.

UBC has also been authorized by the provincial government to borrow funds for major renovation and public works projects in 1979-80 and for construction of a new 1,000-car parking structure to serve the Health Sciences Centre Hospital, where a new Acute Care Unit is under construction.

Projects under the heading of major renovations and public works will involve expenditures of more than $4.7 million. Just over $1.6 million will be used to upgrade the interiors of various UBC buildings and to bring them in line with fire-code regulations.

More than $3.1 million will be used for various public-works projects, including construction of new roads, walkways and parking facilities, provision of new electrical and mechanical installations and campus development.

Among the public works items are $302,500 for campus energy conservation, $355,700 for Botanical Garden development and $60,000 for the upgrading of campus playing fields.

For the new four-level parking structure, UBC has been authorized to borrow $4,160,000. An additional $240,000 for the project will come from the Greater Vancouver Regional Hospital District, bringing the total cost of the project to an estimated $4,400,000.

The provincial government has also

Please turn to page 2
See CONSTRUCTION

Dropout survey surprises

Some 460 undergraduate students who dropped out of UBC during the 1976-77 academic year did so for a variety of reasons ranging from "lack of interest" to "medical problems," an overwhelming majority felt they had made a wise decision, and most plan to continue their education in the future.

These are some of the nuggets of information that have emerged from a questionnaire completed by 459 of the 746 full-time undergraduates who withdrew from UBC in 1976-77. UBC's Office of Student Services conducted the survey and analysed the results.

For Student Services director Dick Shirran one of the surprising and disturbing results to emerge from the survey is that more than half of the responding dropouts -- 53 per cent -- stated that they made no effort to discuss their decision with anyone at UBC.

And not even all of the 47 per cent who said in the questionnaire that they had discussed their decision did so with someone at UBC. More than 6 per cent said they had consulted a friend or member of their family. Those who did discuss the matter with UBC personnel most commonly chose the Student Services counselling centre (20 per cent), a dean's office (18.7 per cent), a faculty advisor (14.7 per cent), or a professor (11.1 per cent).

"The fact that 53 per cent of the withdrawals chose to do it 'cold turkey' may indicate that they don't realize that there is a great deal of assistance available at the University to help them overcome financial, academic and other problems," Mr. Shirran said.

Another interesting fact emerged from the study when the Student Services analysts looked at the grade point averages of the 164 students who withdrew from first-year programs and who were registered at UBC for the first time.

The mean entering grade point average (A = 4, B = 3, C = 2, P = 1) of this group of withdrawals was 2.92, while students in the same year who obtained a pass standing had a high-school average of 2.93. Those first-year students who stayed at UBC but failed their year had an entering average of 2.79.

Mr. Shirran's comment on this is that the grade point average of the first-year withdrawals is more typical of those who passed first year than failed, "suggesting that the withdrawals could be potentially successful."

The Student Services report recommends, among other things, that students should be encouraged to make more use of campus support services and that specific personal growth and career counselling programs be developed for students in particular years and faculties.

Here are some other facts that

Please turn to page 3
See DROPOUTS

Peter Menyasz photo

Rookie UBC fullback Pieter Vanden Bos (34) will be in action against Simon Fraser Clansmen Oct. 19 when Thunderbirds meet the Burnaby squad at Empire Stadium at 8 p.m. in the annual Shrum Bowl contest. Tickets for the game are available in the Alma Mater Society offices in the Student Union Building.

'Birds, Clansmen will clash Oct. 19

The UBC Thunderbirds, gunning for their second straight Western Intercollegiate Football League championship, take time out to play an exhibition game on Oct. 19 — an exhibition game of more than passing interest.

It's the annual Shrum Bowl contest against Simon Fraser University Clansmen, being played for the second time under the sponsorship of the United Way. UBC won last year's Shrum Bowl, 22-14, before a crowd of 12,000.

The game is at Empire Stadium, starting at 8 p.m., with tickets going at $6 (under cover) and $4 (in the open). Student tickets are only $2, under cover, and are available in the Student Union Building.

Air Canada has provided a ticket prize of two tickets to the Caribbean.

Simon Fraser goes into the Shrum Bowl with a record of three victories and two defeats. The 'Birds have won four and lost two, and they play University of Calgary, in Calgary, this weekend.

There are no common opponents, since SFU plays a schedule of exhibition games against U.S. schools, whereas UBC competes in the WIFL with the University of Alberta, University of Calgary, University of Saskatchewan and University of Manitoba.

UBC has wins over the other four, but has lost to Saskatchewan and Manitoba. League games remaining are with Calgary and Alberta, and two wins would put the 'Birds into the Western Canada intercollegiate final.

SFU started the season with three victories — over Montana Tech, Western Washington and Central Washington — and then was defeated by the University of Santa Clara and the University of Nevada.

Simon Fraser offers athletic scholarships and recruits players from across Canada. A dozen players with the Clan this season are from Ontario, including quarterback Dave Amer — the outstanding player of the 1978 development camp of the Toronto Argonauts.

Athletic scholarships are banned by the WIFL, and UBC may recruit only from British Columbia.

Memorial fund set up

UBC has established a memorial fund honoring the late Prof. Roy Daniells, head of the English department for nearly 20 years, who died on April 13.

The fund will be used to provide an annual $250 scholarship for an outstanding student as well as a number of memorial prizes for students enrolled in third- and fourth-year English courses.

The fund got off to a good start recently when the UBC English department approved the transfer of the existing English Department Awards Fund, which currently stands at $5,700, to the new Roy Daniells Memorial Fund.

Contributions to the memorial fund should be sent to Byron Hender, director of UBC's Office of Awards and Financial Aid, General Services Administration Building, Campus. Cheques should be made payable to the University of B.C. and carry a notation that the gift is for the Roy Daniells Memorial Fund.

Prof. Daniells was a UBC graduate who was named head of the English department in 1948, a post he held until 1965, when he was named the first University Professor of English Language and Literature in recognition of his scholarship and his activities as a writer and poet. He is best known for his studies of 17th-century English literature.

1963 plan coming to fruition

The completion next year of the campus Health Sciences Centre and new facilities at Vancouver hospitals will largely bring to fruition a long-range plan drawn up in 1963, UBC President Douglas Kenny told Senate at its September meeting.

The president, who had been asked to report to Senate on development of the Health Sciences Centre, said most of a dozen objectives set out in a 1963 proposal for the centre's development have been or are being achieved.

UBC, he said, had set an example for North America in developing an integrated approach to patient care through the provision of educational opportunities for the groups that provide health care, including doctors, dentists, dental hygienists, nurses, rehabilitation specialists, pharmacists, clinical psychologists, social workers, dieticians, and by breaking down the barriers between these groups.

When the current expansion of the UBC Health Sciences Centre and facilities at associated Vancouver hospitals is complete, UBC will have on campus 600 beds for psychiatric, extended and acute care as well as expanded lecture and basic medical sciences space, plus access to the new teaching and patient-care developments at the Vancouver General, St. Paul's and Shaughnessy Hospitals.

The federal and provincial governments are sharing the cost of the development, which is linked to a plan to double enrolment in UBC's medical school from 80 to 160 first-year students. The phased expansion of the first-year medical class has already begun. This year UBC admitted 100 students, up from 88 last year.

President Kenny said the health sciences faculties and departments were "very enthusiastic" about the expansion because of the opportunities it offers in terms of expanding medical school enrolment, the addition of new faculty members and the acquisition of new space and equipment.

He said that when expansion of the medical school was being discussed with the government, he had insisted that funds for this purpose should be kept separate from increases in the rest of the UBC budget. Similarly, he had also insisted that the $50-odd million to be used for on- and off-campus construction should not have an impact on other academic building needs at UBC. Both these conditions had been adhered to, he said.

President Kenny said there was only "one major worry" associated with the operation of campus hospitals. In Canada, he said, hospitals are allowed to engage in deficit financing, something which was denied to universities unless they received approval from the provincial government.

He said a committee of the Board of Governors was looking at the Health Sciences Centre Act with a view to modifying it to permit deficit financing with government approval.

CONSTRUCTION
Continued from page 1

approved expenditures of $2,565,000 for expansion of facilities at the TRIUMF project, the nuclear research facility located on UBC's south campus.

The funds will be used for an addition to the main TRIUMF building, extensions to an existing office and laboratory building and construction of a separate building to house a liquid helium production unit, which will supply the needs of TRIUMF as well as B.C.'s three public universities.

Other construction projects currently in the active planning stage are a new building to house the Department of Psychology at the corner of West Mall and University Boulevard and new facilities for the Department of Poultry Science on the south campus.

Senate gives approval to new UBC programs

UBC's Senate gave academic approval at its September meeting to a new major in speech sciences in the Department of Linguistics and to a new program in the Department of Theatre leading to the degree of Bachelor of Fine Arts.

The new programs will have to be approved by UBC's Board of Governors and the Universities Council before they can be offered to students.

The new program in linguistics will prepare students for graduate study in the fields of audiology and speech and language pathology.

The new major, Senate was told, had been worked out in close co-operation with the Department of Audiology and Speech Sciences in the Faculty of Medicine, which offers a two-year, postgraduate program leading to a Master of Science degree.

The new Bachelor of Fine Arts program in Theatre would permit students to major in either acting or in the technical aspects of theatre.

Dr. Wisenthal emphasized that the acting major was "not an attempt to establish an acting school." He said approval of the program would involve the introduction of seven new courses and the hiring of additional staff.

Enrolment in the new B.F.A. program would be small because of strict selection procedures and it was not anticipated that there would be more than five to 10 students in each of the major fields.

Diane Waterman photo

First-year Forestry student Susan Craven worked in the forests of the Queen Charlotte Islands this summer as part of her work experience in UBC's co-operative education program. Ms. Craven was employed by Rayonier Canada, a major forestry company in B.C. Co-operative education is offered to all qualified students interested in engineering or forestry.

DROPOUTS
Continued from page 1

emerged from the study.

- Of the total number of withdrawals, 72.1 per cent were in first- and second-year programs. Eighteen per cent were registered in the Faculty of Arts, 18.4 per cent were in Science and 5.4 per cent were in first-year Applied Science, which is a second-year UBC program.
- Almost 70 per cent of the withdrawals lived in the Greater Vancouver Regional District, while 30 per cent lived outside the Lower Mainland.
- Looked at on the basis of sex, 56.9 per cent of the withdrawals were men and 43.1 per cent were women, a distribution that is almost identical to that of the UBC undergraduate population as a whole.
- Of the 61.5 per cent of the dropouts who replied to the UBC questionnaire, 77.7 per cent said they intended to continue their education, 15.5 per cent said they were undecided and 6.8 per cent said they did not plan to continue. A greater percentage of males than females (80 per cent as opposed to 74.5 per cent) said they planned to continue. Those who plan to continue their education expect to do so at a university or a trade or vocational school.
- Just over 60 per cent of the withdrawals were either living at home or in campus residences. The report comments: "Since the residence group was the only one in which more than 50 per cent of the withdrawing respondents sought advice, the preparation and training of residence advisors seems critical."
- On the whole, the students who dropped out did not involve themselves in sports or clubs. Of the 459 who responded to the questionnaire, more males than females (19.9 per cent vs. 9.7 per cent) were in clubs while 34.5 per cent of the males and only 10.7 per cent of the women were involved in one or more sports. More than 80 per cent of the freshman students were not involved in either of these campus activities.
- Just over 88 per cent of the dropouts said their decision to withdraw was a wise one, 8.2 per cent felt they had been unwise, and 3.6 per cent were undecided.
- The dropouts gave 26 categories of answers when asked their reasons for withdrawing. The most frequently mentioned reasons were lack of interest (30.9 per cent), financial problems (18 per cent), academic difficulty (13.3 per cent), family problems (11.8 per cent) and medical problems (9.1 per cent). Men tended to make up a higher percentage of those with financial problems, academic difficulties and lack of interest, while women showed a higher incidence of family and medical problems. Students in Science showed the highest percentage of concern with academic difficulty and financial problems, while Arts students led in lack of interest, family problems and medical complaints.
- As to what they felt could have been done to help them at UBC, the dropouts who responded to the questionnaire listed 33 categories, some giving more than one. The report draws special attention to the fact that 22.8 per cent of the respondents felt that nothing could have been done to assist them. Categories mentioned by more than 5 per cent of the respondents included: "Better program" (included negative comments on curriculum, unable to register for desired courses, courses not available at UBC); "smaller classes"; "more personal preparation"; "better financial aid" (mainly complaints about the availability of loans, processing time and information); and "better faculty" (including negative comments on teaching staff).

UBC medal awarded

Michael Bliss, a historian at the University of Toronto, has been named winner of the University of British Columbia's Canadian Biography Award for 1978. The award, given annually since 1952, is for the author's *A Canadian Millionaire, the Life and Business Times of Sir Joseph Flavelle, Bart, 1858-1939.*

The UBC award, a medal carved from solid silver by noted B.C. Indian artist Bill Reid, is given for the best book by or about a Canadian published in the previous year.

The selection committee was very generous in its praise of the biography, calling it "one of the best biographies to arrive on the scene in a long, long time." The author "has made a most significant contribution to the history of Canadian business with the good use of public area documents, cartoons and doggerel, as well as private letters and memoirs."

Prof. Bliss, 38, teaches Canadian history at the University of Toronto and has written and edited several books on Canadian history.

Honorable mention was also given by the UBC committee to UBC graduate Terry Reksten's biography *Rattenbury,* a book on one of B.C.'s early architects. Ms. Reksten has written, according to the committee, not only "a sound piece of research" about Rattenbury and the time in which he lived, "but also a fascinating story of the uncharacteristic qualities in his later life that lead to his bizarre murder in England in 1935."

A welcome UBC option

If co-operative education programs had been tried at UBC 10 years ago, they likely wouldn't have been all that successful. But in the late 1970s, with employment hard to find in many areas, with the radical theories of the women's movement transformed into practicalities of integrating women into non-traditional employment routes, co-operative education at UBC is becoming a welcome option for many students.

Co-operative education is, basically, a work-study program where students interested in forestry or engineering, to take as examples the two fields offered at UBC, integrate their university studies with supervised employment with forestry or engineering firms.

It's not a new idea in education in Canada. The University of Waterloo in Ontario has offered co-operative education programs to students since 1957.

But at UBC, co-operative education began with a different goal. Originally part of the Women Students' Office, the program was begun two years ago with the hope of encouraging women students to enter non-traditional faculties. By placing women students with forestry and engineering firms, those behind the program also hoped that firms would be convinced that women could do the job.

The program so far seems to have worked well. Enrolment by women in both engineering and forestry at UBC is steadily increasing, although Maryke Gilmore, who's in charge of the co-operative education program, won't credit just the program for the increase. And two summers of having women students working in the field has helped to change the attitudes of outside firms.

The first summer 14 students were involved in the program, all of them first-year Science students who, through a series of screenings, had been chosen by the staff of the co-operative education program. Following a winter of seminars and counselling organized as part of the program, the women students were offered jobs with firms that had agreed to participate in the program.

"It was an interesting experience for both students and employers," said Maryke Gilmore. "The employers were amazed that first-year students could have so many skills and could learn so quickly. The students were surprised to discover that they had something to offer, that they had more skills than they knew when they were put in a challenging position."

Mrs. Gilmore feels that the measure of the success of that first summer's experience is that all of the 14 students were offered jobs with the same firms for the following summer.

In fact, the results were so positive that the University decided to offer a co-op program to men as well as women. Last summer, the second summer of the program, seven men students and 27 women students were placed with forestry and engineering firms for the summer work experience part of the program.

In May, '79, the UBC Senate gave formal approval to the co-op program, and in September of this year, co-operative education became an entity on its own, no longer part of the Women Students Office programs. Although the staff and location (Brock Hall, room 213) remained the same, the program is now the responsibility of an advisory committee on co-op education chaired by the associate dean of Applied Science.

The co-op program is more than just help finding an interesting summer job somewhat related to a student's studies. "The students must be seriously considering careers in engineering and forestry," Mrs. Gilmore explained. "The co-op program helps them to understand what would be involved in such a career."

Last summer Mrs. Gilmore and her assistant, Diane Waterman, visited all of the students in the field to see how they were managing and to get a better idea of the demands of the jobs. "I've been very impressed with the way these students have handled non-traditional employment," Mrs. Gilmore said. "It's not easy driving a logging truck or working in devil's club." The jobs varied from helping with the staking of a forestry road north of Prince George to supervising tree planting or working in a logging camp.

By next summer, between 45 and 60 students will be part of the co-op program at UBC, some of them with two previous summers work experience under their belts.

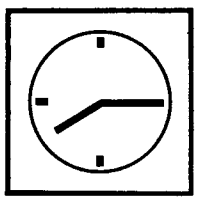
For the students, male or female, the advantages to the program are obvious. For the employers, the advantages are in hiring a student who is obviously interested in the work, perhaps an inexpensive way to recruit a permanent employee, and the overall goal that the program was originally set up to achieve—assisting to eliminate attitudinal barriers, held both by women students and employers, that prevent women from selecting non-traditional professions.

A panel discussion for co-operative and potential co-operative education students will be held Thursday, Oct. 18.

UBC CALENDAR DEADLINES

Events in the week of
Oct. 21-Oct. 27 Deadline is 5:00 p.m. Oct. 11
Oct. 28-Nov. 3 Deadline is 5:00 p.m. Oct. 18
Send notices to Information Services, 6328 Memorial Road (Old Administration Building), Campus. Further information is available at 228-3131.

THE VANCOUVER INSTITUTE



SATURDAY, OCT. 13
Prof. Robert Solomon, Philosophy, University of Texas, Austin, on **Emotions and Human Nature.**
SATURDAY, OCT. 20
Dr. Donald W. Seldin, chairman, Department of Internal Medicine, Southwestern Medical School, University of Texas, on **High Blood Pressure: Prevalence, Risks, Treatments.**
Both lectures at 8:15 p.m. in Lecture Hall 2, Woodward Instructional Resources Centre. A brochure listing all pre-Christmas Institute lectures is available from Information Services, UBC, telephone 228-3131.

SUNDAY, OCT. 14

3:00 p.m. **MUSIC FROM DIFFERENT CULTURES,** fourth in a series of seven presentations at the Museum of Anthropology. **An Afternoon of Renaissance Music for Two Lutes** with Evan Plommer and Hugh Sandilands, musicians. Museum, 6393 Northwest Marine Dr. Free with museum admission.

7:00 p.m. **SUBFILMS** presents **Invasion of the Body Snatchers.** Auditorium, Student Union Building. Admission with AMS card, $1.

7:30 p.m. **AN EVENING ON SYNERGY,** presented by the Lorian Association, with lectures by David Spangler and Milenko Matanovic and a concert by the New Troubadors. Lecture Hall 2, Woodward Instructional Resources Centre. Admission, $5; students, $4. For information, call 731-3514 or 733-2136.

MONDAY, OCT. 15

10:00 a.m. **URBAN LAND ECONOMICS WORKSHOP.** Prof. Dennis Capozza, Urban Land Economics Division, UBC, on **Rents, Vacancies, and Starts.** Penthouse, Angus Building.

10:30 a.m. **COMPUTING CENTRE LECTURE.** The first in a series of six lectures on **MIDAS — Michigan Interactive Data Analysis System** by Dr. Piet de Jong of the UBC Computing Centre. Room 447, Computer Sciences Building.

12 noon **CANCER RESEARCH SEMINAR.** Dr. Hans G. Menzel, Institut fur Biophysik der Universitat des Saarlandes, on **Experimental Microdosimetry and Its Applicability to High LET Therapy.** Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave., Vancouver.

12:30 p.m. **EDUCATION RESEARCH LECTURE.** Dr. Cornelius J. Jaenen on **Unique Qualities of Canadian Ethnic Studies.** Room 208, Scarfe Building.
TROMBONE CHOIR, directed by Douglas Sparkes, performs **Music of Bach, Praetorius and Bruckner.** Recital Hall, Music Building.

2:00 p.m. **EDUCATION RESEARCH LECTURE.** Dr. Cornelius J. Jaenen on **Thoughts on Canadianization: French-Amerindian Relations to Manitoba School Questions and Methodological Issues.** Room 208, Scarfe Building.

3:30 p.m. **MECHANICAL ENGINEERING SEMINAR.** Stephen Kwan, mechanical engineering graduate student, UBC, on **Experiments in Reverse Combustion of Coal Seams.** Room 1215, Civil and Mechanical Engineering Building.
COMPUTING CENTRE LECTURE. The first in a series of six lectures on **Advanced MTS Commands and Files** by Jeff Berryman of the UBC Computing Centre. Room 443, Computer Sciences Building.
APPLIED MATHEMATICS SEMINAR. Prof. Fred Wan, Mathematics, UBC, on **The Second Best Allocation in Urban Land Theory.** Room 203, Mathematics Building.
MANAGEMENT SCIENCE SEMINAR. Prof. Donald L. Iglehart, Operations Research, Stanford University, Stanford, Calif., on **Regenerative Simulation: An Overview.** Room 312, Angus Building.

4:00 p.m. **BIOCHEMISTRY SEMINAR.** Neil Hackett, Biochemistry, UBC, on **Biochemistry of Sleep.** Lecture Hall 3, Woodward Instructional Resources Centre.
ASTRONOMY SEMINAR. Dr. Charles J. Peterson, University of Missouri, on **Recent Observational Work on the Dynamics of Barred Spiral Galaxies.** Room 318, Hennings Building.

TUESDAY, OCT. 16

12 noon **FAMILY RELATIONS ACT SERIES.** First in a series of talks to clarify aspects of B.C.'s new Family Relations Act, proclaimed on March 31. Today's introductory overview by Prof. Lyman Robinson, associate dean, Faculty of Law, University of Victoria. For further information, call Centre for Continuing Education, 228-2181. All sessions at Robson Square Media Centre in downtown Vancouver.

12:30 p.m. **HABITAT LECTURE.** Prof. Arie Shachar, Hebrew University, Jerusalem, 1979 Scholar-in-Residence, Centre for Human Settlements, UBC, on **Settlement Policies and Migration Process: An Evaluation of Israel's Experience.** Room 102, Lasserre Building.
PHARMACEUTICAL SCIENCES SEMINAR. Dr. Alan Tenenhouse, professor, Pharmacology and Therapeutics, McGill University, on **Control of Endocrine Gland Function: A New Approach.** Lecture Hall 3, Woodward Instructional Resources Centre.
ENGLISH LECTURE. Prof. Rene Wellek, Sterling Professor of Comparative Literature, Yale University, New Haven, Conn., on **Literature, Fiction and the Literary.** Room 106, Buchanan Building.

TUESDAY, OCT. 16 (Continued)

12:30 p.m. **FREESEE FILM SERIES** presents *Civilization* with Kenneth Clark in seven parts. The first film is **The Frozen World.** Auditorium, Student Union Building. Free.
GREEN VISITING PROFESSOR. Dr. Donald Seldin, chairman, Department of Internal Medicine, Southwestern Medical School, Dallas, Texas, on **Intimate Coupling of Biomedical Science and Physician Education.** Lecture Hall 6, Woodward Instructional Resources Centre.

3:30 p.m. **METALLURGICAL ENGINEERING SEMINAR.** Dr. James A. McEwan, director, Biomedical Engineering Department, VGH, on **Biomedical Engineering at VGH.** Room 308, Forward Building.

4:30 p.m. **MATHEMATICS EDUCATION COLLOQUIUM.** A.R. Tammadge, Sevenoaks School, England, on **Creativity in Mathematics.** Room 201, Scarfe Building.
CHEMISTRY COLLOQUIUM. Dr. Keith Mitchell, Chemistry, UBC, on **Surface Structures and Bond Lengths From LEED Crystallography.** Room 250, Chemistry Building.

WEDNESDAY, OCT. 17

12 noon **PHARMACOLOGY SEMINAR.** Dr. Paul Augereau, Anesthesiology, UBC, on **Treatment of Diabetes insipidus By Nebulization of DDAVP.** Room 114, Block C, Medical Sciences Building.
THE CHANGING WORLD. Dr. Edward Rhodes, Physical Education and Recreation, UBC, on **Fitness After Forty.** Theatre, Robson Square Media Centre, 800 Hornby St. in downtown Vancouver.

12:30 p.m. **NOON-HOUR CONCERT.** Leclair String Quartet, with Paula Sokol-Elliott and Mary Sokol, violin; Pamela Inkman, viola; and Paula Kiffner, cello, perform **Music of Mozart and Bartok.** Recital Hall, Music Building.
NATIVE INDIAN TEACHER EDUCATION PROGRAM distinguished speaker series. Maxine Pape, Education Co-Ordinator, Union of B.C. Indian Chiefs, on **The Educational Needs of Native Indian People in British Columbia.** Room 100, Scarfe Building.

3:30 p.m. **GEOPHYSICS SEMINAR.** Dr. John Booker, Geophysics, University of Washington, Seattle, on **Thermal Convection in Porous Media.** Room 260, Geophysics and Astronomy Building.
CHEMICAL ENGINEERING SEMINAR. C.W. Oloman on **Electro-Oxidation of Benzene in a Fixed-Bed Anode.** Room 206, Chemical Engineering Building.
ECONOMIC THEORY WORKSHOP. A.D. Woodland on **The Relationships Between Factor Endowments and Commodity Trade.** Room 351, Brock Hall.

4:00 p.m. **ENERGY POLICY MODELLING SEMINAR.** Prof. C.S. Holling, Animal Resource Ecology, UBC, on **Planning in a Complex Uncertain System: The Case of Energy.** Penthouse, Angus Building.
BIOCHEMICAL SEMINAR. Dr. Jonathan A. Gallant, Genetics, University of Washington, Seattle, on **Factors Influencing Translation and Mistranslation in *Escherichia coli*.** Lecture Hall 3, Woodward Instructional Resources Centre.

4:30 p.m. **ECOLOGY SEMINAR.** Dr. Arthur D. Hasler, professor emeritus, Laboratory of Limnology, University of Wisconsin, Madison, on **Olfactory Imprinting and Homing in Salmon.** Room 2449, Biological Sciences Building.

7:30 p.m. **COMPUTERS EXPLAINED.** UBC's Centre for Continuing Education is sponsoring a series of evening lectures on de-mystifying the computer. The course will explain how computers work, what are their applications, and what are the impacts for our culture. Continues until Wednesday, Nov. 14. Room 228, Angus Building. Registration, 228-2181, local 278. Limited enrolment.

THURSDAY, OCT. 18

9:00 a.m. **MEDICAL GRAND ROUNDS.** Dr. Donald W. Seldin, chairman, Department of Internal Medicine, University of Texas, Dallas, on **Clinical Interpretation of the SMA-6.** Lecture Theatre B, Vancouver General Hospital.
PSYCHIATRY PRESENTATION. Dr. Robert Krell on **Holocaust Families: Survivors and Their Children.** Rooms 2NA and B, Health Sciences Centre Hospital.

12 noon **DENTISTRY SEMINAR.** Dr. John McNeill, Pharmaceutical Sciences, UBC, on **Modern Abuses of Drugs.** Room 388, Macdonald Building.

12:10 p.m. **WOMEN'S RESOURCES CENTRE** presents **A Celebration of 50 Years as Persons** with Senator Nancy Bell. Women's Resources Centre, 1144 Robson St. Information, 228-2181, local 218.

12:30 p.m. **NATIVE INDIAN TEACHER EDUCATION PROGRAM** distinguished speaker series. Mary Ashworth, English Education, UBC, on **The History of Minority Education in B.C.: The Native Indian Pupil.** Room 100, Scarfe Building.

VOLUNTEER DATA BANK

Students interested in obtaining practical experience to aid in the development of new skills or the making of career choices are encouraged to volunteer a few hours per week to a community organization or institution. A wide variety of volunteer opportunities are posted at the Volunteer Data Bank in the Counselling Centre, Ponderosa Annex "F". Experience can make the difference in applying for professional programs at university and/or employment.

OPHTHALMOLOGY CLINICAL DAY AND WORKSHOP

On Friday, Oct. 19, the Division of Ophthalmology, St. Paul's Hospital, and the B.C. Ophthalmology Society are co-sponsoring a clinical day at St. Paul's Hospital. The guest speakers will be Nancy M. Newman, M.D., associate professor and chief, Neuro-ophthalmic Division, Department of Ophthalmology, Pacific Medical Center, San Francisco, and Ronald E. Smith, M.D., associate professor, University of Southern California School of Medicine, Los Angeles. The workshop continues on Saturday, Oct. 20. For further information, contact 682-2344, local 401.

THURSDAY, OCT. 18 (Continued)

12:30 p.m. **UBC CONTEMPORARY PLAYERS,** with Stephen Chatman and Eugene Wilson, co-directors, perform **Music of Applebaum, Bellemare, Adaskin and Schafer.** Recital Hall, Music Building.
HABITAT LECTURE. Dr. Arie Shachar, Hebrew University, Jerusalem, and 1979 Scholar-in-Residence, UBC Centre for Human Settlements, on **Earthly Planning in a Holy City: Development Strategies for Jerusalem.** Room 102, Lasserre Building.
ENGLISH LECTURE. Prof. David V. Erdman, English, State University of New York, Stony Brook, N.Y., on **Blake and the Art of Politics.** Room 203, Buchanan Building.
WEEKLY WEATHER BRIEFING. Weather map discussions, review of weather for previous week and previews of weather for coming five days are held every Thursday in Room 215, Geography Building.
ZOOLOGY NOON-HOUR TRAVELS. B.M. Aaron, Zoology, UBC, with **Almost Around the World in About 40 Minutes.** Room 2000, Biological Sciences Building.
REGENT COLLEGE. Dr. Charles E. Hummel, D.D., faculty specialist for Inter-Varsity Christian Fellowship, on **The Role of Christian Faculty in the Secular University.** Regent College Seminar Room.

1:00 p.m. **FACULTY ASSOCIATION GENERAL MEETING.** Room 100, Mathematics Building.

2:30 p.m. **PHYSICS CONDENSED-MATTER SEMINAR.** James Birch, National Physics Laboratory, Middlesex, on **Reflectivity Standards at Millimetre and Submillimetre Wavelengths.** Room 318, Hennings Building.

4:00 p.m. **PHYSICS COLLOQUIUM.** Martin Wedepohl, dean, Applied Science, UBC, on **Development of High Technology Industry.** Room 201, Hennings Building.

7:00 p.m. **SUBFILMS** presents the mystery **Who is Killing the Great Chefs of Europe?** Auditorium, Student Union Building. Admission with AMS card, $1. Repeated Friday and Saturday at 7:00 and 9:30 p.m. and Sunday at 7:00 p.m.

8:00 p.m. **AMS SPEAKERS FORUM.** Karen Decrow, past-president, National Organization of Women (NOW) and activist lawyer, on **The Legal Rights of Women.** Ballroom, Student Union Building. Tickets for this special lecture available at the AMS Business Office

FRIDAY, OCT. 19

12 noon **MEDICAL SPECIALTY ROUNDS.** Dr. Donald W. Seldin, Chairman, Department of Internal Medicine, University of Texas, Dallas, on **Pathogenesis and Treatment of Renal Tubular Acidosis.** Lecture Hall B, VGH.

12:30 p.m. **NATIVE INDIAN TEACHER EDUCATION PROGRAM.** Alvin McKay, Board Liaison Officer, Nishga School District, on **The Establishment and Operation of the Nisgha School Board at New Aiyansh, B.C.** Room 100, Scarfe Building.
UKRAINIAN STUDIES LECTURE. Myroslav Shkandrij, Canadian Institute of Ukrainian Studies, University of Alberta, on **Revolutionary Art: Soviet Ukraine in the 1920s.** Room 2230, Buchanan Building.

1:00 p.m. **ADULT BASIC EDUCATION SEMINAR.** Dr. Barry Moore, principal, Fraser Valley College, on **The Role of ABE in the Institutional Context.** Adult Education Research Centre, 5760 Toronto Rd.
GENETICS SEMINAR. Drs. P. Baird, P.M. MacLeod, F. Kill, S. Wood and I. Walpole on **American Society of Human Genetics — Report on the Annual Meeting.** 4th floor conference room, Health Centre for Children, Vancouver General Hospital.

1:30 p.m. **DEVELOPMENTAL MEDICINE SEMINAR.** Brian Murphy, Zoology, UBC, on **The Metabolic Activities of the Brain, Heart and Lung During Simulated Diving in the Weddell Seal.** Room 15, 811 W. 10th Ave.

3:30 p.m. **COMPUTER SCIENCE COLLOQUIUM.** Dr. Tony Marsland, Computer Science, University of Alberta, Edmonton, on **Case Studies in Distributed Processing.** Room 301, Computer Sciences Building.
NEPHROLOGY RESEARCH SEMINAR. Dr. Donald W. Seldin, Internal Medicine, University of Texas, Dallas, on **The Regulation of Bicarbonate Reabsorption.** Lecture Hall B, Vancouver General Hospital.

8:00 p.m. **UKRAINIAN STUDIES TRAVEL LECTURE.** Myroslav Shkandrij on **Ukrainian Art in the 1920s.** Ukrainian Greek Orthodox Hall, 154 E. 10th Ave.
SHRUM BOWL FOOTBALL. UBC Thunderbirds vs. Simon Fraser University with all proceeds going to the United Way. Tickets, at $2 for students and $4 and $6 for non-students, are available at the Alma Mater Society offices in the Student Union Building, at the Vancouver Ticket Centre and all Eaton's Stores. Air Canada has donated two return tickets to the Caribbean for a lucky ticket holder. Game at Empire Stadium, Pacific National Exhibition grounds.
INTERNATIONAL HOUSE presents **Bartlett and Ruebsaat in Concert.** International House. Admission: members, 75 cents; non-members, $1.50.

SATURDAY, OCT. 20

10:00 a.m. **CENTRE FOR CONTINUING EDUCATION** presents two events with Paul Reps, author of *Zen Flesh, Zen Bones*, from 10 a.m. until noon; continues Sunday, Oct. 21. $6 for the two sessions or $4 for single session. Granville and Oak Rooms, Sheraton Plaza 500, 500 W. 12th Ave. Information, 228-2181, local 261.

8:00 p.m. **ICE HOCKEY.** UBC Thunderbirds vs. Brandon University. Thunderbird Winter Sports Centre.
VANCOUVER PHILHARMONIC ORCHESTRA, directed by Jerry Domer, in the first concert of the 1979-80 season, performs **Music of Wagner, Dvorak, Francaix and Domer.** Old Auditorium. Admission free, donation at the door.

8:30 p.m. **OKTOBERFEST** at International House. Admission: members, 75 cents; non-members, $1.50.

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