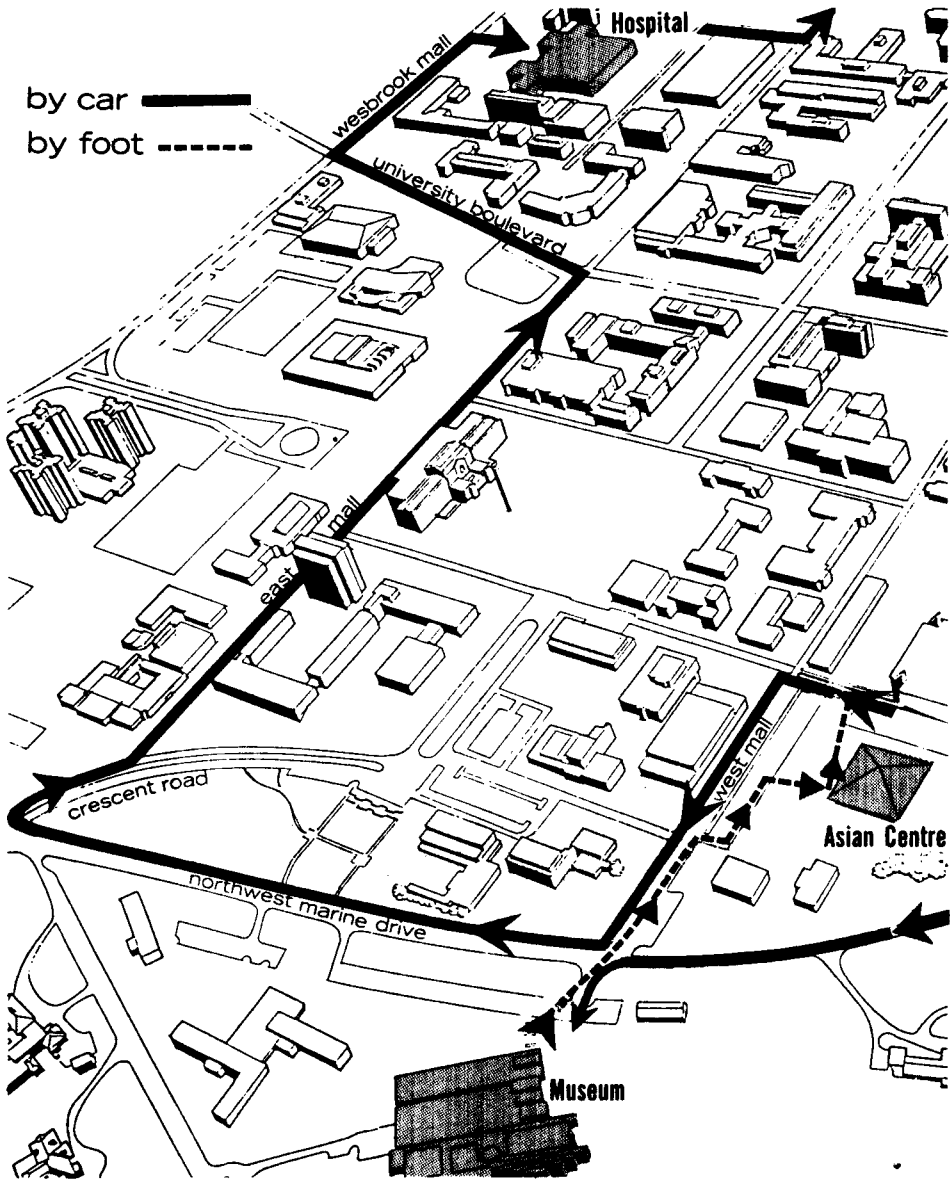


UBC REPORTS

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March 2, 1983



Three stops for Queen

If all goes according to schedule, the Queen's visit to UBC next Wednesday (March 9) will last just 85 minutes and will include stops at the Museum of Anthropology, the Asian Centre and the Health Sciences Centre Hospital.

If you want to see the Queen and Prince Philip, the best opportunity should be just after 11:30 a.m. when they walk from the museum to the Asian Centre.

The Royal Couple are scheduled to arrive at the museum by car via Southwest Marine Drive at 11 a.m. They will watch a performance of native Indian dancing, tour the museum, and look at the massive cedar sculpture, The Raven and The First

Parking will be restricted

Some parking restrictions will be imposed next Wednesday (March 9) because of the Queen's visit to the campus.

Closed that morning will be the parking area at the Graduate Student Centre, the metered lot at the north end of the Armoury, the staff/faculty lot at the south end of the Armoury, and the long narrow staff/faculty lot on the west side of West Mall, across from the Armoury.

Parking will be free that day in the new parkade next to the Asian Centre, although access to the parkade will be restricted for approximately an hour, from 11 a.m. to noon.

Men, that was unveiled by their son, Prince Charles, in 1980.

At 11:33 a.m. the Royal Couple, escorted by Chancellor J.V. Clyne and President Douglas Kenny, leave the museum for the Asian Centre. They will walk up West Mall past International House, go across the parking lot on the west side of West Mall, and down the path through the wooded area to the entrance to the Asian Centre.

Once at the centre, the Duke of Edinburgh's visit to UBC is over. He'll leave immediately by car for a Canadian Club luncheon downtown, while the Queen is entertained at the centre by Japanese drum dancers. She'll also see an art display and an historic Japanese temple bell.

The Queen is scheduled to leave the Asian Centre at 11:55 a.m., for a five-minute drive to the front of the hospital's Acute Care Unit. She will travel via West Mall, Northwest Marine Drive, Crescent Road, East Mall, University Boulevard and Westbrook Mall.

At the hospital, the Queen will unveil a plaque commemorating the inauguration of the Imaging Resource Centre and will view the Positron Emission Tomography (PET) unit and the Nuclear Magnetic Resonance (NMR) unit.

She will also meet informally with a few Extended Care Unit patients before leaving by car for Queen Elizabeth Park at 12:25 p.m.

Her route off campus will be south on East Mall and east on 16th Avenue.

President Kenny, 5 others to get honorary degrees

UBC will confer six honorary degrees during graduation ceremonies in May, including one on Douglas T. Kenny, who steps down as the University's president on June 30.

Also receiving honorary degrees will be author-educator Robertson Davies, native Indian leader George Manuel, longtime community worker Annie Margaret Angus, physicist John Bernard Warren, and classicist Malcolm Francis McGregor.

On May 25, Robertson Davies will

receive a Doctor of Letters degree (D.Litt.) and Malcolm McGregor a Doctor of Laws degree (LL.D.). Three honorary degrees will be conferred on May 26, LL.D. to Annie Angus and George Manuel and Doctor of Science (D.Sc.) to John Warren. President Kenny will receive a Doctor of Laws degree on May 27.

Robertson Davies, Master Emeritus of Massey College at the University of Toronto, was born in Ontario but began his professional career in England after obtaining a Bachelor of Letters degree from Oxford in 1938.

After experience as an actor in the English provinces, he joined the Old Vic Company as an actor and teacher. He returned to Canada in 1940 as literary editor of Saturday Night. In 1942, Robertson Davies was appointed editor of the Peterborough Examiner, and 18 years later he became the newspaper's publisher.

Massey College, a college for post-graduate work, opened in 1963 and Robertson Davies was appointed the first Master.

As a writer, he was first published in 1939, and his most recent work, *High Spirits*, was published last year. His Deptford trilogy — *Fifth Business*, *The Manticore* and *World of Wonders*, 1970, 1972 and 1975 — established his reputation as a significant figure internationally, as well as one of Canada's leading writers.

Malcolm McGregor, a UBC personality for many years, known for his flair inside and outside the classroom, will just be back from yet another visit to Greece when he receives his honorary degree. He is conducting a month-long trip to Greece for UBC's Centre for Continuing Education, from April 17.

Prof. McGregor, a 1931 UBC graduate, was head of classics at UBC from 1954 to 1975. He retired from UBC in 1977 but has remained active as a teacher of Greek and Roman history at the Langara campus of Vancouver City College.

Prof. McGregor received a Master Teacher award at UBC in 1974, and in 1979 he was honored by the government of Greece, when he was made a Commander of the Order of the Phoenix. His special field of interest is Greek epigraphy, the study of ancient inscriptions.

Annie Angus graduated from UBC in 1923, and the next year she married Prof. Henry Angus, who retired as Dean of Graduate Studies in 1956 after 37 years with the University. Their two children are also UBC graduates.

She was president of the Women's Undergraduate Society in 1922-23, president of the Faculty Women's Club in 1935-36 and president of the University's Women's Club in 1938-40. During the Second World War, Mrs. Angus was a board member of the Ottawa Children's

Senate says yes to 4-year Engineering

A new four-year engineering program in the Faculty of Applied Science, approved by the UBC Senate Feb. 16 after lengthy debate, goes before the Board of Governors tomorrow (March 3).

Chancellor J.V. Clyne, who spoke strongly against the plan at Senate on the ground that cutting the program to four years from five would lower the quality of engineering grads, is also a member of the Board of Governors.

Regardless of how the program is received by the Board, it appears unlikely to be in place before September, 1984 at the earliest, because of a lack of funding.

The program would give students who leave secondary school with a high academic standing the opportunity to go straight into engineering at UBC without first doing a year of science.

"It is timely and appropriate for UBC to offer properly qualified and highly motivated students the opportunity to complete the requirements for the engineering (B.A.Sc.) degree in four years after Grade 12," said a submission to Senate from the engineering faculty. "At present, UBC is one of the very few universities in North America requiring five years . . ."

Students applying for entry to the four-year engineering program would be selected on the basis of their grade 11 and grade 12 marks in algebra, chemistry, physics and English.

Students wishing to avail themselves of a broader range of electives, or because they could not meet the four-year entrance requirements, could still spend five years getting their degree, starting with the year of science.

The four-year program would be possible in eight of the nine engineering fields available at UBC — bio-resource engineering, chemical, civil, electrical, geological, mechanical, metallurgical, and mining and mineral processing. Engineering Physics would remain as a five-year program.

Although as many members of Senate spoke against the four-year program as spoke for it, the 'yes' vote carried by a margin of better than 2-to-1.

Please turn to page 2
See HONORARY

Honorary continued from page 1

Aid Society and the Ottawa Council of Social Agencies.

She was elected to the Vancouver Board of School Trustees for three consecutive terms and was the board's chairperson in 1956. She also served on the Senate of UBC, and was one of five British Columbians named to the advisory body that helped prepare the 1967 centennial of Confederation.

George Manuel, born on the Neskainlith Reserve at Chase, B.C., has been a forthright spokesman for Indian interests for more than 40 years, locally and nationally. He was also elected founding president of the World Council of Indigenous Peoples in 1975 and was elected to a second term in Sweden in 1977.

Mr. Manuel began organizing the Indian people of the Interior in the 1950s, directing his first efforts toward improving medical services to Indians. In 1960, he reorganized the North American Indian Brotherhood and was elected president. In the same year he prepared and presented a comprehensive brief to the Special Joint Committee of the Senate and House of Commons on revisions to the Indian Act.

He was president of the National Indian Brotherhood from 1970 to 1976, stepping down to return to British Columbia. In 1977 he was elected president of the Union of B.C. Indian Chiefs.

John Warren, considered the "father of nuclear physics" in Western Canada, is

Professor Emeritus at TRIUMF, the meson facility on the UBC campus that he was largely responsible for.

He came to UBC from England just after the Second World War, built a Van de Graaff accelerator and was soon attracting first-rate graduate students. He personally trained many dozens of Ph.D. and Master of Science students, perhaps a third of all the nuclear physics graduates produced in Canada. Eugene Critoph, head of the Chalk River nuclear laboratories, was one of his students.

In 1981, Prof. Warren was awarded a gold medal by the B.C. Science Council for distinguished contributions to physical sciences.

He is still active at TRIUMF, and a colleague said of him recently, "There are few retired scientists who continue to bubble with new ideas the way Warren does."

Douglas Kenny has been president of UBC since July 1, 1975, and was appointed originally to a five-year term. When asked in 1978 to serve a second term, Dr. Kenny said he would stay on only until June 30, 1983.

A native of Victoria, Dr. Kenny joined the faculty of UBC in 1950 after obtaining his Doctor of Philosophy degree in psychology from the University of Washington. He did his undergraduate and master's work at UBC.

A former Dean of Arts and former head of the Department of Psychology, Dr. Kenny will return to teaching and research in psychology. When he steps down as UBC's seventh president on June 30, he will have completed 39 years of association with the University — as student, teacher, researcher and administrator.

Leslie Peterson, chairman of the UBC Board of Governors, said of Dr. Kenny in 1981:

"Douglas Kenny is truly one of the most dedicated people ever to serve the University, who has set a very high standard of excellence. He has made an extraordinary contribution to the enrichment of the quality of education at UBC through his overriding insistence on excellence in teaching and research and his strong belief in high admission standards to the University."

UBC's Spring Congregation May 25, 26 and 27 will be held in the War Memorial Gymnasium, starting each day at 2:15 p.m.



Winners of UBC's top three scholarships for 1982 are, from left to right, Elaine Matheson, who was awarded the \$2,750 Amy E. Sauder Scholarship; Jason Gray, winner of the \$2,000 Harry Logan Memorial Scholarship; and Cynthia Southard, the recipient of the \$3,000 Sherwood Lett Memorial Scholarship.

Three elected to committee

A student, a former dean and a department head will represent Senate on the Presidential Advisory Committee for the selection of a Vice-President Academic.

The position becomes vacant July 1, with Dr. Michael Shaw's decision to return to teaching and research after eight years as vice-president.

A seven-person committee, chaired by UBC president-designate George Pedersen, will consider vice-presidential candidates.

Elected to the committee by the UBC Senate were student senator Mike McCann, third-year Medicine; Prof. Albert J. McClean, former dean of Law; and Prof. David Williams, head of Physics.

Also on the committee will be three members of the Board of Governors.

Breadth report referred to faculties by Senate

A 19-page report by an ad hoc committee of the UBC Senate on minimum breadth requirements for undergraduate programs has been referred to faculties for comment.

The committee, chaired by Prof. Richard Spencer of Civil Engineering, told Senate that 'reasonable breadth' requires study in the humanities and arts, the social sciences, and science and technology.

"These courses should include at least one that covers some aspect of a foreign culture, and one that has a historical orientation," the committee's report stated.

Although the report's initial recommendation was carried decisively in a vote of Senate, it was subsequently moved

that the entire report be referred to faculties and that it be presented to Senate again in November.

The initial recommendation read: "That Senate approve the principle that all students should receive a broad exposure to a variety of disciplines in addition to a specialized education in their chosen field of study before completing any baccalaureate degree."

Home Ec set for Dedication Week

The new Home Economics building will be dedicated at 11:30 a.m. Thursday, March 10.

The building, at 2205 East Mall, will be open from noon to 8 p.m. on March 9 for University faculty, staff and students, and again on March 10 from 10 a.m. to 8 p.m.

The new building will be open to the public on March 11, 12 and 13 as part of Health Sciences Open House.

Dr. Helen Guthrie of Pennsylvania State University will give a free lecture on nutrition at 8 p.m. March 9 in Room 60 of the Home Ec building. March 10 at 8 p.m., family sociologist Reuben Hill will speak, also in Room 60.

No layoffs, Kenny advises Senate

Nobody will lose a job because of the University's deficit, President Douglas Kenny told Senate Feb. 16.

He said the shortfall was \$700,000 on an annualized basis. This could rise, however, depending upon the faculty wage settlement, now being reviewed by Compensation Stabilization Commissioner Ed Peck.

Dr. Kenny said money would be saved by replacing faculty members who resign or retire with appointments at a junior level. He said that in the non-faculty area it may not be possible to replace all those who retired or resigned, but he stressed that there would be no layoffs to meet the deficit.



Popular spot from 4 to 10 p.m. Monday through Thursday is this snack bar run by the Commerce Undergraduate Society in the Colin Gourlay Lounge of Henry Angus Building. Coffee sales are running better than 250 cups a day, at a bargain 30 cents a cup. Also available are tea, muffins, donuts, apple fritters, sesame snaps and sandwiches. Students who work behind the counter are paid \$6 an hour. Profits help maintain CUS operations.

UBC's 1983 Open House is three-day event



OPEN HOUSE 1983

A look at the future, a glimpse of the past.

That's what visitors to UBC's 1983 Open House can expect to see March 11, 12 and 13, when the spotlight will be on the eight Health Sciences faculties and schools at B.C.'s "flagship" university.

For the first time ever, UBC's Open House '83 is a three-day event. The Health Sciences Centre and associated buildings in the southeast area of the main campus (see map on pages 2 and 3) will be open to the public on Friday, March 11 from 10 a.m. to 4 p.m., on Saturday, March 12 from 10 a.m. to 8 p.m. and on Sunday, March 13 from 11 a.m. to 4 p.m.

The Friday, March 11 opening is primarily intended for secondary-school and regional college students, but the public is welcome to attend. Special tours have been arranged on this day only for students contemplating a career in the Health Sciences. You can book one by calling 228-5571.

As was the case three years ago when the last Health Sciences Open House was held, the Woodward Building will be the main display centre for the 1983 event. Regular tours to many of the buildings featuring special Open House '83 attractions will begin from this building. And because of

space limitations in areas where these attractions are located, you'll only be able to see them if you join one of these tours.

For instance, anyone interested in space-age medicine will want to see the unique devices that are a part of UBC's new Imaging Research Centre (described in greater detail in the article beginning below, right). The instruments will allow health researchers to picture the structure and inner workings of the human body as a series of color images.

Another UBC unit that will be offering regular tours is the School of Home Economics, which occupied a new building on the East Mall recently. In addition to seeing the building you'll see displays on human nutrition (including evaluations of fad diets), use a microcomputer to test your skill in handling finances and take part in a demonstration which illustrates differences in behavior and thinking between men and women.

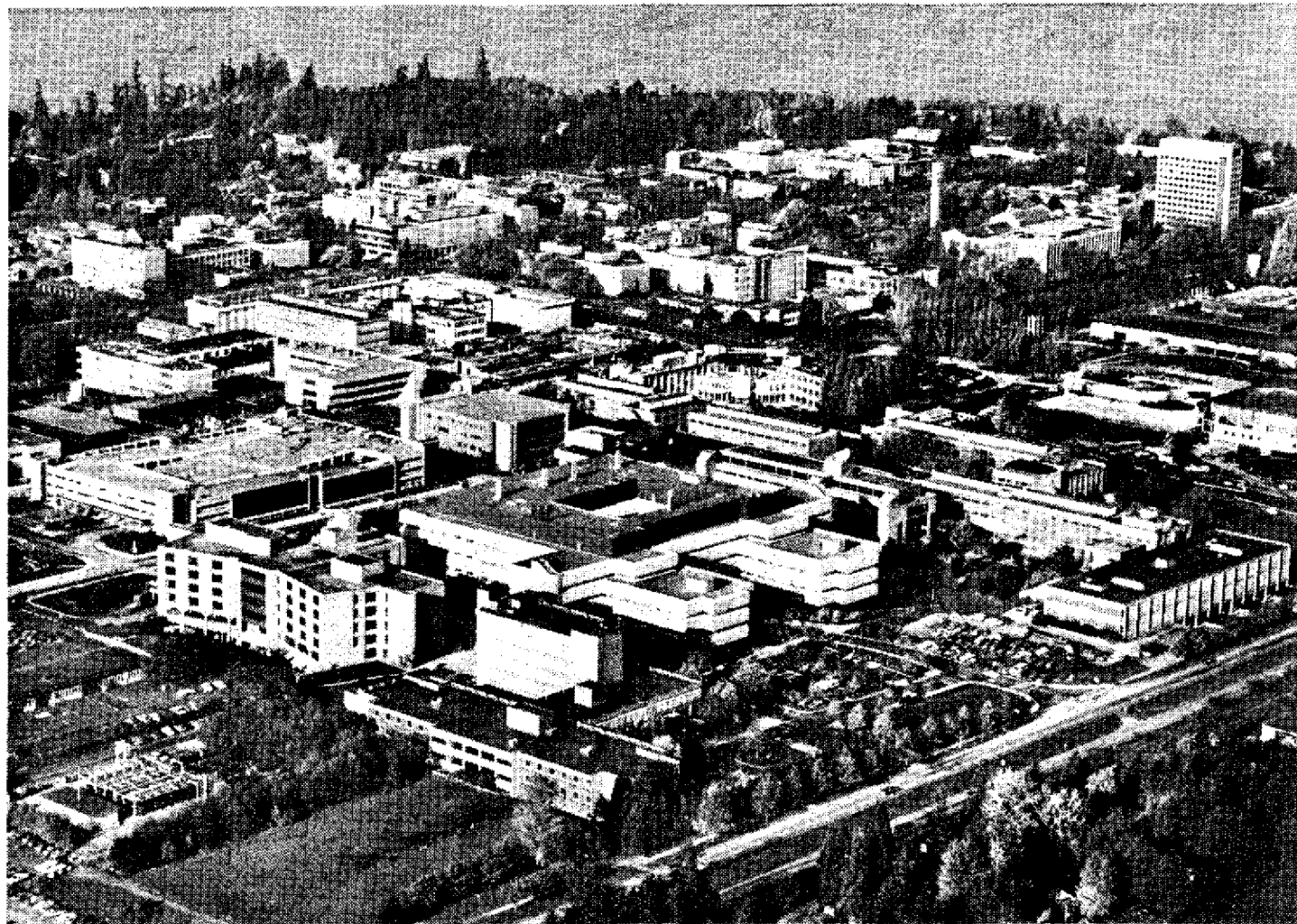
The School of Physical Education and Recreation will demonstrate various sports in the Aquatic Centre next to the War Memorial Gymnasium, where you can watch the Canadian Interuniversity Athletic Union volleyball championships. The physical education display in the Aquatic Centre will also demonstrate the

use of computers in sports and will analyse and videotape your swim stroke. (You should bring your swim suit in any case, because Open House visitors will be able to swim without charge in the pool).

Students in the Schools of Rehabilitation Medicine and Nursing will guide you to displays on the third floor of the Acute Care Unit, one of the three buildings that make up the Health Sciences Centre Hospital. (Because of the need to provide services to patients, tours of the patient-care areas of the hospital will be available on Sunday, March 13 only).

And there will be much, much more to do in the Woodward Building, the Open House display centre. Here you'll find faculty and students eager to talk to you about biotechnology, "white-finger disease" caused by vibration, the role of the rubella virus in chronic joint disease, the nature and treatment of pain and psychological depression and the treatment of speech and language problems, among a host of other things.

For more detailed descriptions of Open House '83 exhibits, see pages 2, 3 and 4. And for the glimpse of the past, see the article that begins at the bottom of this page.



UBC's 1983 Open House centres on the Health Sciences Centre, foreground.

Woodward Bldg. activity centre

The centre of activity for this year's Open House at UBC is the Woodward Instructional Resources Centre. Tours to other buildings, including visits to the Imaging Research Centre and the Health Sciences Centre Hospital, will leave regularly from the Woodward Building. Although tours of the hospital will be given only on Sunday to ensure a minimum amount of disruption to patients, displays on the third floor of the hospital housing Nursing and Rehabilitation Medicine will be open all three days. Access to the third floor is by elevator from the basement entrance on the north side of the hospital building.

UBC centre has unique features

Three features make UBC's Health Sciences Centre and Hospital unique in North America:

- The Imaging Research Centre;
- Advanced use of audio-visual communications for teaching and diagnosis; and
- Use of an integrated computer system in the hospital to improve both health services to patients and the administration of the hospital.

All three are featured at open house.

Queen Elizabeth was the first to tour the Imaging Research Centre on Wednesday, March 9, two days before open house.

The centre is really two extremely sophisticated devices which give health researchers a new view into many diseases. The two instruments allow them to image or "picture" the structure and inner workings of the human body, showing what is happening at a microscopic level within the cells.

The techniques represent the beginning of a new era of "non-invasive" imaging and the possibility of studying the biochemistry of life inside the body itself. As probes, they are so sensitive that events associated

Names from past come alive

A few of the great names from the past in the Health Sciences will come to life briefly during Open House '83.

Faculty members from various Health Sciences disciplines will portray landmark figures who changed the course of the history of their disciplines. Each will be dressed in the costumes of the time in which they lived.

Here's a rundown on their brief lectures, all of which take place in Lecture Hall 6 of the Woodward Building.

FRIDAY, MARCH 11

10 a.m. - Cynthia Webster of Rehabilitation Medicine portrays Olive Guthrie-Smith, a British specialist of the 1930s and 1940s, who developed programs of remedial exercises for limbs after fracture as well as devices for aiding

bedridden rheumatic and geriatric patients.

11 a.m. - Pierre Fauchard (1678-1761), the first man to make a comprehensive study of dentistry, will be portrayed by UBC's dean of Dentistry, Dr. George Beagrie. Fauchard provided the first comprehensive analysis of dental disease and developed a variety of techniques for filling teeth.

2 p.m. - UBC assistant professor of Nursing Olive Simpson will impersonate Florence Nightingale (1823-1910), the founder of modern nursing who revolutionized military medicine during the Crimea War and founded a nursing school in London which served as a model for nursing training for a century.

3 p.m. - Dr. Glen Scheske of Burnaby

General Hospital will recreate Wilhelm Conrad Roentgen (1845-1923), developer of the x-ray, which revolutionized modern diagnosis and made possible accurate internal medicine and surgery.

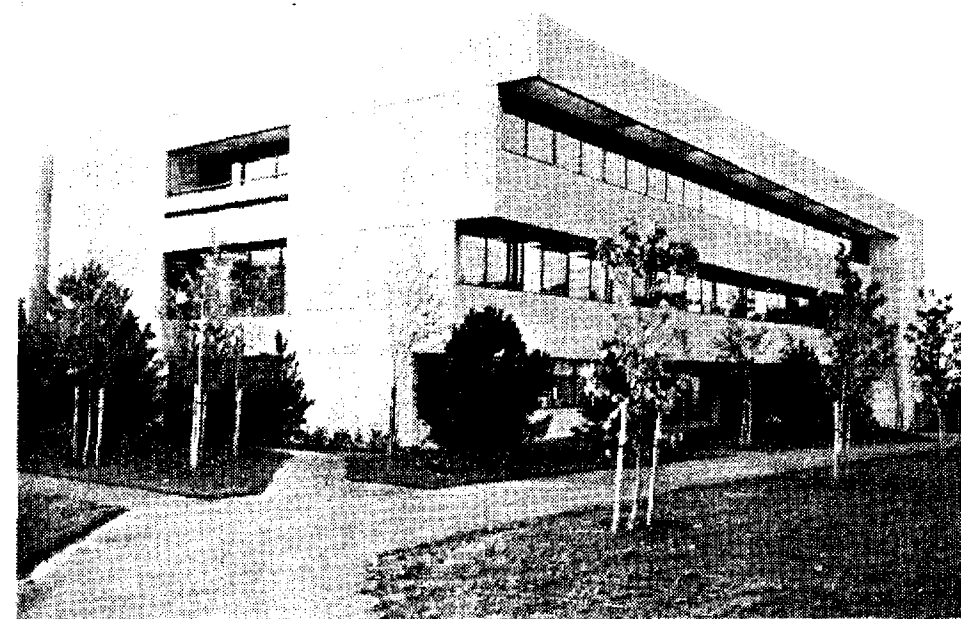
SATURDAY, MARCH 12

11 a.m. - Dr. Robert Todd of UBC's classics department portrays Hippocrates (about 460-377 B.C.), regarded as "the father of medicine," the man who made medicine a rational art and science.

2 p.m. - Prof. Charles Slonecker, head of the anatomy department, portrays the great anatomist Andreas Vesalius (1514/15-1563), the pioneer of modern gross anatomy whose work was a vital

Please turn to page 6
See GREAT NAMES

Please turn to page 4
See DISPLAYS



UBC's brand new Home Economics Building is a feature attraction at Open House 1983.

UBC can satisfy any appetite

If you find you've worked up an appetite wandering through Open House displays, stop by one of the following campus food outlets which will be operating during Open House.

- Student Union Building cafeteria: Full menu available. Open from 7:30 a.m. to 4 p.m. on Friday, from 10 a.m. to 7 p.m. on Saturday and from 10 a.m. to 5 p.m. on Sunday.
- Woodward Building snack bar: Open from 8 a.m. to 3:45 p.m. on Friday, from 9:30 a.m. until early evening on Saturday and from 10:30 a.m. to 4 p.m. on Sunday.
- Hospital Acute Care Unit cafeteria: Full menu available. Open from 7:30 a.m. to 7 p.m. on Friday and from 9 a.m. to 7 p.m. on Saturday and Sunday.

In addition, snack bars will be set up in various locations.

DISPLAYS

Continued from page 3

with health, or misadventures that accompany disease, can be detected while the patient is alert, conscious, and does not feel any pain or discomfort, and without having to remove any samples from the patient.

The two instruments are the positron emission tomograph (PET) and the nuclear magnetic resonance (NMR) scanner.

PET produces a series of unique, color images of the chemistry going on in the patient's brain. A minute amount of a radioactive scanning agent produced at the TRIUMF cyclotron project on UBC's south campus is introduced into the patient's blood system. As the radioisotope in the agent decays in the patient's brain, it emits anti-matter in the form of positrons, particles with the same mass but opposite electrical charge as electrons. Within less than a tenth of a millionth of a second, the positrons collide with electrons in the substance of the brain and the two annihilate each other. Both disappear and two gamma rays are emitted.

The gamma rays travel away from each other in exactly opposite directions and are registered by an array of detectors in a large halo device surrounding the patient's head.

The detectors feed the information through a fibre optic cable one kilometer long to a computer in UBC's electrical engineering department. After processing in the computer, the data are transmitted by the cable back to PET as a series of color images.

The first patients to use PET were among Canada's 250,000 Parkinson's disease victims. The patient and his or her spouse had scans to show how the disease affects the brain's metabolism of glucose, the sugar that is the brain's main fuel, and how this compares with metabolism of glucose in a brain unaffected by the ailment.

Parkinson's is one of a series of diseases which affects a person's ability to move muscles normally. Other movement disorder diseases that PET will be used to study include Dystonia and Huntington's chorea, the disease that killed folk singer Woody Guthrie.

PET will also be used for research on Alzheimer's disease, formerly known as senile dementia, an incurable affliction of one of every five Canadians over 65. It will

also be used to study stroke, a common ailment caused by sudden impairment of blood flow to the brain. Canadian pianist Glenn Gould died of a stroke a few months ago.

The NMR scanner is similar to PET in that it is non-invasive. But the principle upon which it works is totally different. NMR has been used for at least three decades in industry to analyse the chemical structure of solids and liquids. Recent technological advances make it possible to apply NMR to as large and complex an organism as the human body.

One method of describing how NMR works is to think of an opera singer shattering a glass. What happens is that

Visit on video

A videotape of the visit by Queen Elizabeth II to the Health Sciences Centre's new Imaging Centre on March 9, two days before Open House 1983, will be shown continuously in the Woodward Building on March 11, 12 and 13.

The visit to the Imaging Centre was the last stop made by the queen during her brief UBC visit. Earlier she viewed the UBC Museum of Anthropology and the Asian Centre.

The frequency of the singer's voice matches the frequency at which the glass will vibrate.

All physical objects in the universe can vibrate — planets as well as atoms. NMR works by vibrating or resonating the nuclei of atoms within the subject being studied, using magnets and radio waves. Nuclei vibrate and in so doing absorb or emit electro-magnetic radiation which can be detected by a receiver similar to a sensitive FM radio and transformed by a computer into pictures or images which are displayed on a television screen.

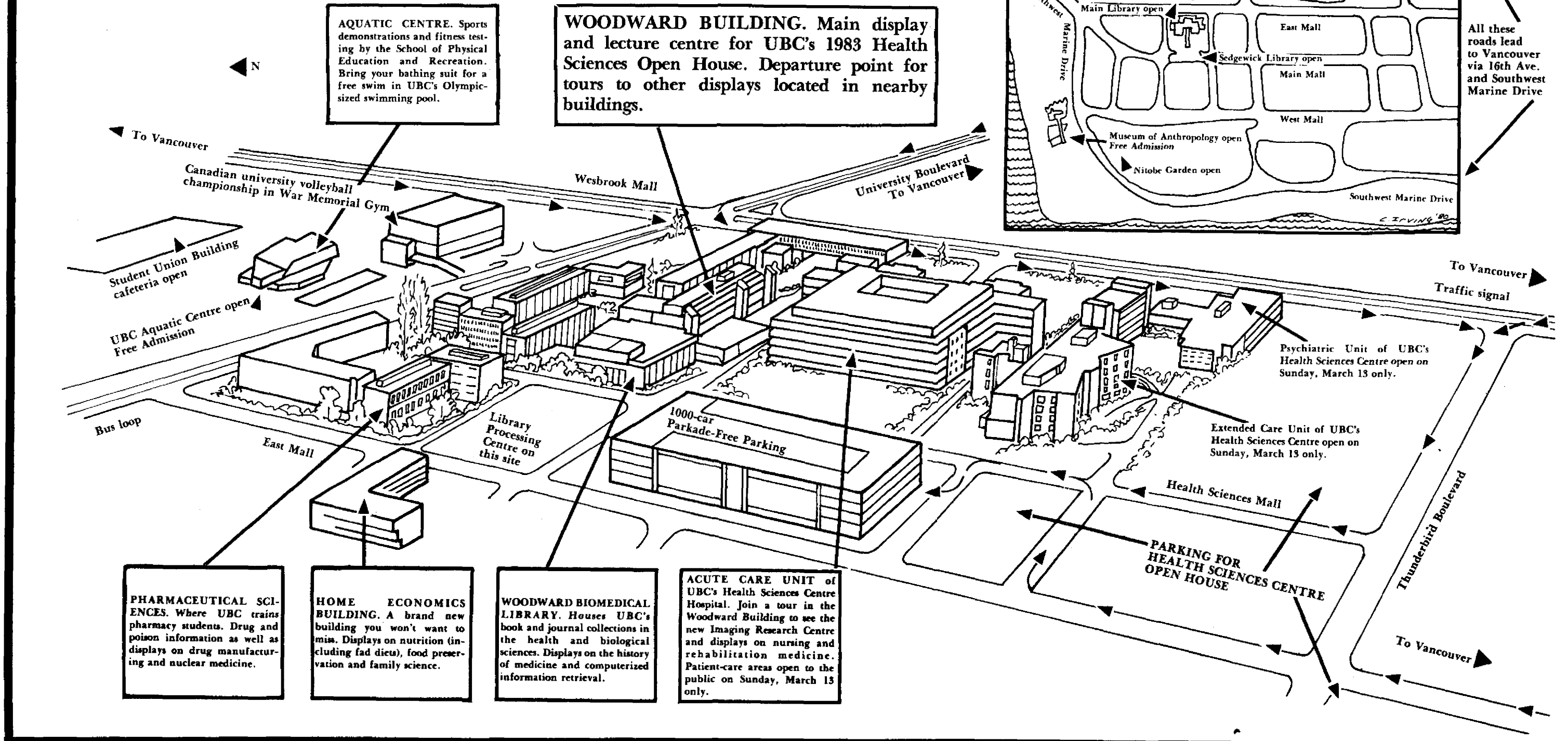
The NMR at UBC will provide images of the entire human body.

Both PET and NMR are possible because of the happy combination at UBC of a hospital, a world-class cyclotron (TRIUMF), and a variety of scientists from different disciplines within UBC departments.

Tours of the Imaging Research Centre leave from the Woodward Building all three days of Open House.

The University of British Columbia HEALTH SCIENCES CENTRE

Follow arrows to Open House parking lots



AQUATIC CENTRE. Sports demonstrations and fitness testing by the School of Physical Education and Recreation. Bring your bathing suit for a free swim in UBC's Olympic-sized swimming pool.

WOODWARD BUILDING. Main display and lecture centre for UBC's 1983 Health Sciences Open House. Departure point for tours to other displays located in nearby buildings.

PHARMACEUTICAL SCIENCES. Where UBC trains pharmacy students. Drug and poison information as well as displays on drug manufacturing and nuclear medicine.

HOME ECONOMICS BUILDING. A brand new building you won't want to miss. Displays on nutrition (including fad diets), food preservation and family science.

WOODWARD BIOMEDICAL LIBRARY. Houses UBC's book and journal collections in the health and biological sciences. Displays on the history of medicine and computerized information retrieval.

ACUTE CARE UNIT of UBC's Health Sciences Centre Hospital. Join a tour in the Woodward Building to see the new Imaging Research Centre and displays on nursing and rehabilitation medicine. Patient-care areas open to the public on Sunday, March 13 only.

UBC's Department of Biomedical Communications in the basement of the Woodward Building is the central switching point linking Vancouver's six teaching hospitals — St. Pauls, Shaughnessy, Grace, the Children's, VGH and the Health Sciences Centre Hospital on campus.

Transmitted over the cable are video, audio and other information for tele-diagnosis, tele consultation and education. Operating rooms and laboratory microscopes are equipped with television cameras and radiology departments can send x-rays back to the operating room via television. Students are able to sit in teaching areas and watch a complete operation in progress while speaking with the operating room team.

These signals can be sent back to Biomedical Communications at UBC and from there they can be transmitted via communications satellite to 56 points in the province. The system allows one-way video and two-way audio communication between Vancouver and health centres throughout B.C. But it does not solve the problem of getting visual information from remote health centres to specialists in Vancouver for diagnosis or other purposes.

Tours of the Imaging Research Centre leave from the Woodward Building all three days of Open House.

A variety of demonstrations showing the use of different types of health communications will be on display in the Woodward Building for the three days of Open House.

Unfortunately, displays in the different departments of the Health Sciences Centre Hospital will only be available on Sunday because of patient-care demands. (See descriptions of hospital attractions.)

Apart from the hospital's Open House attractions, it has a major feature that is nearly invisible to patients. The hospital at UBC makes greater use of computers than any other hospital in the province.

First of all, patients are admitted by computer. Those who are admitted via the emergency department have all lab tests requested and received by computer from that department. The computer also receives requests for tests and prints work lists and labels for patient specimens in the medical laboratory. Results are entered directly into the computer from automated equipment or manually via a terminal.

In the hospital pharmacy, the computer prepares drug labels, keeps patient drug profiles, warns of possible interaction of one drug with another, keeps an index of all drugs in use and maintains inventory.

What follows are brief descriptions of displays and exhibits being mounted by various health science faculties, departments, schools and divisions.

Audiology and Speech Sciences. If you are losing your sense of hearing, or if you stutter, you'll be especially interested in the exhibit presented by the School of Audiology and Speech Sciences, in the lower mall of the Woodward Building.

A feature of the exhibit will be a new hearing aid that transposes natural speech into the low frequency range needed by many persons with profound hearing loss. A prototype of this hearing aid will be available for visitors to try.

A second table will carry the speech-language pathology portion of the exhibit, and the theme here is the development of treatment for people who stutter. A delayed auditory feedback machine will be available for visitors to use.

Biochemistry. A series of biochemistry exhibits will be presented in seminar rooms G65 and 66 of the Woodward Building.

Topics covered will include: DNA, the genetic blueprint; tissue culture; biotechnology; separation methods in biochemistry; the biochemistry of blood, lipids and membranes; and current research in the department.

Health Care and Epidemiology. If you've never grabbed a vibration exciter and watched the movement of muscles in your hands and fingers, here's your chance.

Two Open House exhibits have been prepared by the Department of Health Care and Epidemiology, and one of them — "Current Research on Vibration White Finger Disease" — features the vibration exciter.

The disease causes fingers to turn white, with a decrease in strength and sensitivity, and can be brought on by continued use of a vibrating tool such as a chain saw.

The second exhibit outlines the role of industrial hygiene in occupational health. Noise, airborne dust and chemicals are some of the environmental stresses that will be described.

Both exhibits are located in the Woodward Building.

Health Sciences Career Booth. If you're considering a career in an area of the health sciences, drop by Room G44 of the Woodward Building. Faculty members and students in UBC's health science disciplines will be on hand to answer questions and distribute information about such things as academic prerequisites, application procedures, course load and content and career opportunities.

Areas represented at the information booth will be medicine, pharmacy,

dentistry, nursing, dietetics, basic medical sciences, audiology, sports medicine, dental hygiene, rehabilitation medicine and clinical psychology.

Health Sciences Centre Hospital. Displays will be set up in the three units of the hospital on Sunday. Look for the following.

- **Extended Care Unit.** See displays on programs and activities offered in the ECU, such as therapeutic swimming and gardening, experience how disabled people are moved from one place to another or visit with some residents of the unit.

- **Psychiatric Unit.** Learn about the role of psychiatric nursing in hospitals and the community, see a presentation on the Psychiatric Day House, a six-week, intensive outpatient program or find out about volunteer services in the Psychiatric Unit.

- **Acute Care Unit.** In this unit you will find displays on nutrition therapy, stress testing, nuclear medicine, scanning equipment, diabetes, radiation and old and new medical devices. Have your blood pressure checked electrically, tour the hospital kitchen, see how physiotherapists work or see how the housekeeping staff maintain hospital sanitation.

Home Economics. After many years in cramped facilities at the corner of

University Boulevard and East Mall, UBC's School of Home Economics moved in the fall of '82 to a spacious and modern building. Tours of the new building leave each day from the Woodward Building.

Human nutrition displays are on the first floor of the building, and on the third floor you'll find exhibits by students and faculty involved in the family sciences side of Home Economics. You can:

- Use a microcomputer to test your knowledge and skill in handling finances (Room 310).

- See an instrument that measures the caloric content of food (Room 150).

- Find out how the current recession compares to the Great Depression (Room 310).

- See a display that evaluates fad diets (Room 130).

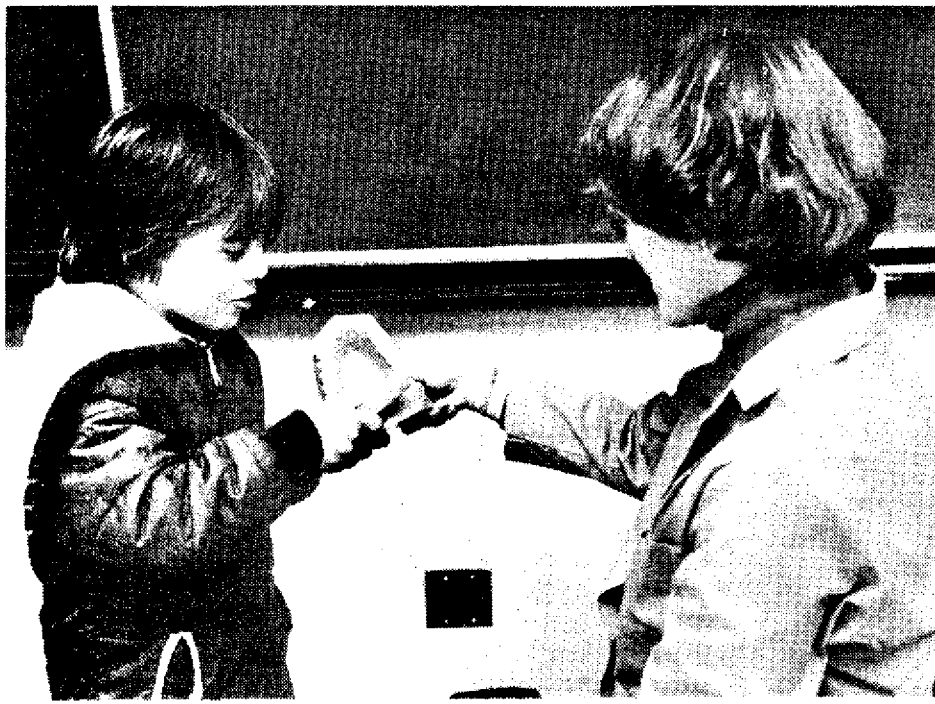
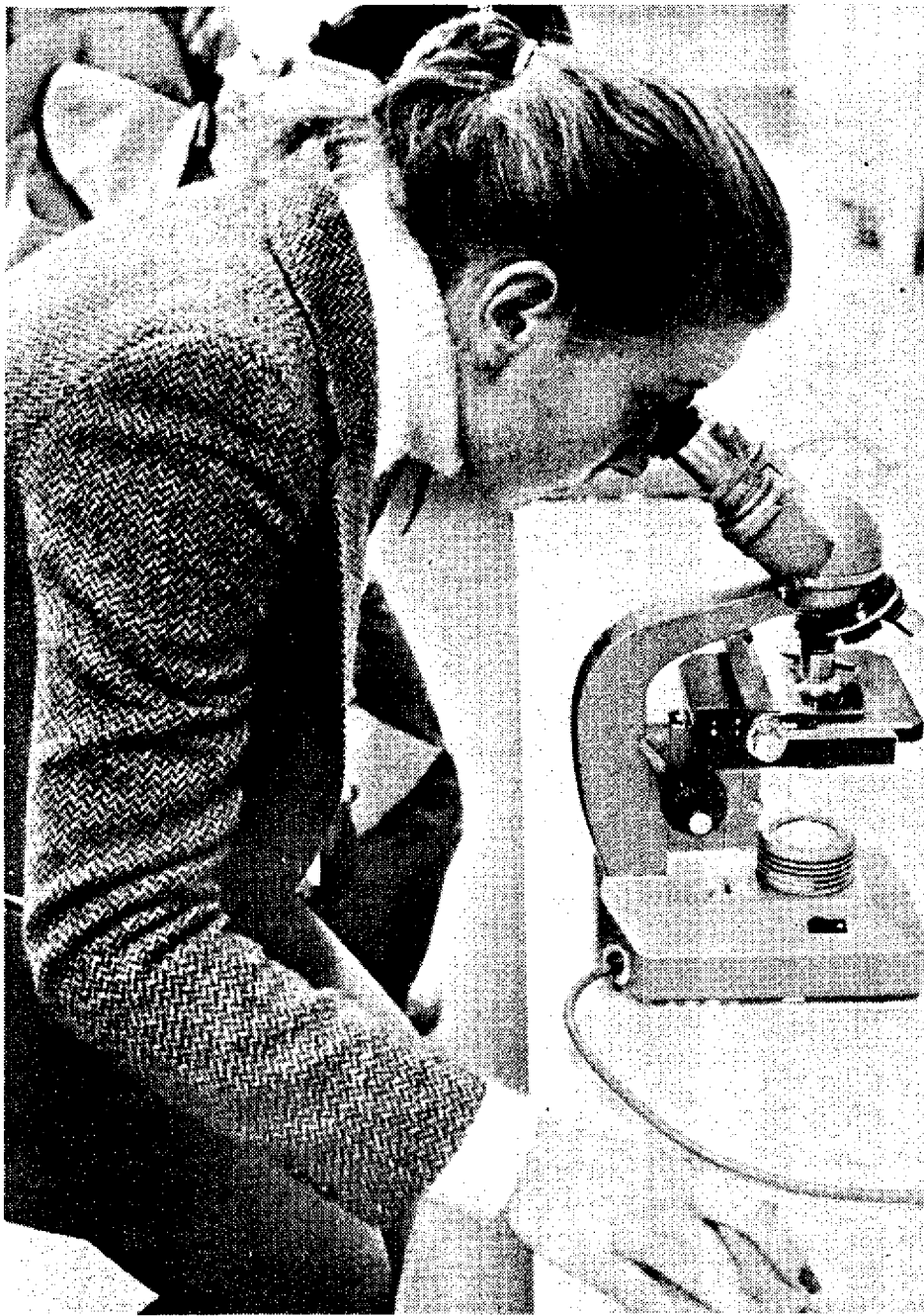
- Compare your height and weight with others the same age and sex. Available on Friday and Saturday only (Room 150).

- Learn about safe home canning methods (Room 180).

- Participate in a demonstration which illustrates differences in behavior and thinking between men and women (Third floor foyer).

- See design exhibits done by UBC students (Room 360).

Please turn to page 6 See MORE DISPLAYS



Microscope gazing is one of the favorite sports at any UBC Open House and the young lady in the picture at the top of this page is giving that activity all her attention. And the young man in the picture immediately above is getting a lesson in how to brush his teeth from a student in UBC's dental hygiene program operated by the Faculty of Dentistry.

GREAT NAMES
Continued from page 3

beginning for modern scientific physiology, pathology and medicine.

3 p.m. - Sir William Osler (1849-1919) will be recreated by Prof. John Norris, professor of the History of Medicine and Science at UBC. Author of the single most influential text in medical history dealing with the principles and practice of medicine, Osler was also the most distinguished clinician of his day.

4 p.m. - Dr. Ken Leighton of the Acute Care Unit of the Health Sciences Centre Hospital portrays Sir James Simpson (1811-1870), the brilliant Scottish obstetrician and teacher who introduced ether and then chloroform into obstetrical practice, as well as instruments and procedures for safe childbirth.

5 p.m. - Jo Gardner, a sessional lecturer in UBC's Faculty of Dentistry, recreates

Free attractions add to visit

Several UBC attractions are open with free admission during Open House '83. You can go for a swim in the Aquatic Centre, stroll through the Japanese Nitobe Garden at the north end of the campus or see the main Botanical Garden, located adjacent to the Thunderbird Stadium.

The Museum of Anthropology is open free-of-charge from 10 a.m. to 5 p.m. on Friday, from 10 a.m. to 8 p.m. on Saturday and from 11 a.m. to 5 p.m. on Sunday. Don't miss the following museum programs:

- The Eagle and the Mouse, a musical masked performance at 2 p.m. on Friday

and at 11 a.m. and 2 p.m. on Saturday. Please call the museum to book for the Friday performance (228-5087).

- Walter Zuber Armstrong performs a classical jazz program with woodwind instruments on Saturday at 12:30 p.m.
- The musical heritage of Africa with Themba Tana at 3 p.m. on Saturday.
- Japanese Talking Drums, a program by Katari Taiko on Sunday at 1 p.m.
- A Kwagiuul mythic performance by anthropological clowns Garbanzo and Koko at 2:30 p.m. on Sunday.
- Traditional aspects of the cedar tree, presented by the Native Youth Workers at 3:30 p.m. on Sunday.

MORE DISPLAYS
Continued from page 5

Medical Microbiology. This division of the pathology department will explain investigations of the factors which are responsible for maintaining persistent virus infections, which can exist in human and animal bodies in a form which enables them to escape the immune system.

A second exhibit will outline research in the division concerning the theory that viruses may be involved in the onset of chronic rheumatic diseases and juvenile and adult rheumatoid arthritis. The research group is currently researching the role of the rubella virus in chronic joint disease.

Look for the division's display in the Woodward Building.

Nursing. The history of nursing will be the focus of an exhibit in the Woodward Building, with photographs and displays showing the evolution of the nursing profession in this century. Students dressed in old-fashioned uniforms will be on hand to give directions to the third floor of the Acute Care Unit, home of UBC's School of Nursing. There you'll find:

- Simulations of hospital and community nursing activities.
- Demonstrations of emergency cardio-pulmonary resuscitation techniques.
- Information on nutritional habits.
- Demonstrations (with public participation) of the "kiss-of-life" technique.
- A variety of information on UBC's Nursing programs.

Pharmaceutical Sciences. This faculty will have displays in the Woodward Building and in the nearby Cunningham Building to explain many aspects of pharmaceutical sciences.

There will be historical and modern displays of the traditional dispensing role of the pharmacist, and information will be available on the manufacture of drugs and on the various research areas in the basic sciences, nuclear medicine and clinically oriented studies.

Visitors will also be able to obtain drug and poison information.

Pharmacology. You can have your blood pressure checked during Open House, and you can also see how various drugs affect hypertension and heart diseases.

The Pharmacology exhibit will also include models to illustrate how blood pressure and heart rate are regulated in the body. Posters will explain the causes, symptoms and the development of cardiovascular diseases and show the rationale for the use of different types of drugs.

Members of the department will also conduct scientific experiments to study the pharmacological effects of drugs.

Physical Education and Recreation. Visit the Aquatic Centre for demonstrations and exhibits provided by UBC athletes.

- See demonstrations of fencing, gymnastics, dance, wrestling and fitness.
- Have your swim stroke videotaped and analysed.
- Find out about the growing importance of computers in sports.
- See the sports medicine displays.
- Tour the Buchanan Fitness Centre.
- In the War Memorial Gym, the Canadian Interuniversity Athletic Union volleyball championships will provide a look at some of the finest men's and women's competition in Canada.
- Visitors to Open House 1983 will also be admitted without charge to the Aquatic Centre for swimming. Bring your bathing suit!

Psychology. Three psychology professors and one student from the Faculty of Arts will take part in this year's Open House, with four displays in the Woodward Building.

An exhibit prepared by Dr. Ken Craig on "The Psychology of Pain" will include video, as will one organized by Dr. Keith Dobson on "Psychological Depression: Nature and Treatment."

Dr. Wolfgang Linden is in charge of an exhibit labelled "Psychophysiological Reactions to Stress," and a fourth psychology display - "Searching for Markers of Mental Illness and Huntington's Disease" - will be conducted by student Diane Lacoste.

Rehabilitation Medicine. Student rehabilitation therapists will be displaying their skills on the third floor of the Acute Care Unit (enter the hospital at ground level, across from the Woodward Building).

Exhibits will cover many areas in which physiotherapists and occupational therapists are involved, including sports medicine, amputees, spinal cords, neurology, gerontology and psychiatry. Visitors will be encouraged to experiment with the various mechanical aids used to assist patients in coping with a handicap.

Muscle stimulation, biofeedback and other forms of treatment will also be demonstrated on willing members of the public.

Woodward Biomedical Library. See demonstrations on computerized information retrieval in the Sherrington Room and learn about the library's networking activities. Look for displays on the history of the health sciences in the library foyer.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of March 20 and March 27, material must be submitted not later than 4 p.m. on Thursday, March 10. Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.



Saturday, March 5
A European Scientist Looks at Nuclear Weapons. Prof. Michael Pentz, dean of Science, British Open University.

Saturday, March 12
The Future of National Broadcasting. Pierre Juneau, president, Canadian Broadcasting Corporation.

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

SUNDAY, MARCH 6

Cecil and Ida Green Seminar.

Dutch soprano Elly Ameling will be conducting Master classes which are open to public auditors. The classes will be held from 2 to 4 p.m. on Sunday, and from 10 a.m. to noon and from 2 to 4 p.m. on Monday, March 7. Recital Hall, Music Building.

Kafka Symposium.

The Castle. Admission is \$3. The film will be shown at the Pacific Cinematheque, 1155 W. Georgia St. 8 p.m.

MONDAY, MARCH 7

Cancer Research Seminar.

Cell Survival Measurements at Low Doses of Radiation. Juliet Brosing, Medical Biophysics Unit, BCCRC. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Slavic and East European Lecture/Discussion.

Whither Poland? Martial Law and Beyond. Prof. Lyman Legters, International Studies, University of Washington. Room A203, Buchanan Building. 12:30 p.m.

Kafka Symposium.

Myth and Folklore in *Das Schloss*. Milan V. Dimic, University of Alberta. Room A102, Buchanan Building. 12:30 p.m.

Out-to-Lunch Phycologists.

Tropical Marine Research with CIDA: A Personal Perspective. Brian Egan, Zoology, UBC. Room 3000, Biological Sciences Building. 12:30 p.m.

Philosophy Lecture.

Philosophy and the Cognitive Sciences. Prof. Fred Dretske, University of Wisconsin, Madison. Auditorium, Asian Centre. 12:30 p.m.

Kafka Symposium.

On Reading Kafka as Comedy. Heinz Hillmann, University of Hamburg. Penthouse, Buchanan Building. 3:30 p.m.

Management Science Seminar.

Prof. L. MacLean. Room 212, Angus Building. 3:30 p.m.

Mechanical Engineering Seminar.

A Proposed Change in the ASHRAE Clear Sky Insolation Model. Dr. M. Iqbal, Mechanical Engineering, UBC. Rom 1204, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

Safelocking, Chaos and Cardiac Arrhythmia. Dr. Leon Glass, Physiology, McGill University. Room 229, Mathematics Building. 3:45 p.m.

Biochemical Colloquium.

Genetics of the Bacterial Ribosome. Dr. Masayasu Nomura, University of Wisconsin. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Zoology "Physiology Group" Seminar.

Comparative Physiology of Placental Exchange Membranes. Dr. Job Faber, Physiology, University of Oregon. Room 2440, Biological Sciences Building. 4:30 p.m.

Kafka Symposium.

An Encounter with Kafka. Josef Skvorecky, University of Toronto. Penthouse, Buchanan Building. 8 p.m.

TUESDAY, MARCH 8

Kafka Symposium.

Kafka's Hopes for the Future. Mark Boulby, UBC. Penthouse, Buchanan Building. 10:30 a.m.

Kafka Symposium.

Kafka and Contradiction. Ronald Hayman, freelance biographer and critic. Room A102, Buchanan Building. 12:30 p.m.

Poetry Reading.

Tom Wayman will give a public reading of his poetry. Admission is free. Sponsored by the creative writing department. Room B312, Buchanan Building. 12:30 p.m.

Forestry Seminar.

Timber Famine in the Third World: Myth and Reality. John Bene, consultant. Room 166, MacMillan Building. 12:30 p.m.

Botany Seminar.

Light Adaptation in Marine Dinoflagellates. Dr. B. Prezelin, Biological Sciences, Marine Sciences Institute, University of California, Santa Barbara. Room 3219, Biological Sciences Building. 12:30 p.m.

Philosophy Seminar.

The Epistemology of Belief. Prof. Fred Dretske, University of Wisconsin. Room 604, Asian Centre. 2 p.m.

Oceanography Seminar.

Mass Culture of Phytoplankton: Theory and Practice. Dr. P.J. Harrison, Oceanography, UBC. Room 1465, Biological Sciences Building. 3 p.m.

Kafka Symposium.

Kafka and the Function of Diary Writing. Werner Welzig, University of Vienna. Penthouse, Buchanan Building. 3:30 p.m.

Chemistry Lecture.

Medical Imaging. Dr. P.L. McGeer, Medicine, UBC; Dr. B. Pate, TRIUMF, UBC; and Dr. L. Hall, Chemistry, UBC. Room 250, Chemistry Building. 3:45 p.m.

Statistics Workshop.

Estimating the Size of a Salmon Run From Catch Data. Dr. Mary Lou Thompson, Statistics, University of Washington. Room 308, Angus Building. 4 p.m.

Library Lecture.

The Impact of Technology and Economics on Document Publication and Supply. Maurice B. Line, director, British Library Lending Division. Room A104, Buchanan Building. 4:30 p.m.

Gerontology Lecture.

Competing Policies for Improving Pensions for the Aged. Dr. Robert M. Clark, Economics, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 7 p.m.

Development Education Series.

Whose Truth? Controlling Interests in Education. Sponsored by CUSO. For further information, call 228-4886. Upper Lounge, International House. 7:30 p.m.

Kafka Symposium.

The Trial. Room A102, Buchanan Building. 8 p.m.

SFU Engineering Curriculum.

The Engineering Science Curriculum at Simon Fraser University, sponsored by the Canadian Medical and Biological Engineering Society. Chaired by Dr. Charles Laszlo, Clinical Engineering, UBC. Speakers: Dr. Tom Calvert, dean of Interdisciplinary Studies, SFU, and Dr. Don George, director of engineering programs, SFU. Alexander Mackenzie Room, SFU. 8 p.m.

WEDNESDAY, MARCH 9

Kafka Symposium.

Kafka's Fictional World. Lubomir Dolezel, University of Toronto. Penthouse, Buchanan Building. 10:30 a.m.

Pharmacology Seminar.

Drug Interactions: Carbamazepine Metabolism and its Alteration in the Presence of Isoniazid, Propoxyphene, Cimetidine, and Erythromycin. Dr. R.A. Wall, Pharmacology, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Kafka Symposium.

Kafka, Golem and Socialism in Eastern Europe. Richard Swartz, Central European correspondent for the *Svenska Dagbladet*. Room A102, Buchanan Building. 12:30 p.m.

English Lecture.

The Other Jonathan Swift: An Exploration of the Life of Jonathan Swift Through the Correspondence. Prof. Charles Pullen, English, Queen's University. Sponsored by the Committee on Lectures. Room A204, Buchanan Building. 12:30 p.m.

Noon-Hour Concert.

Music of Brahms performed by the Pro Arte String Quartet. Recital Hall, Music Building. 12:30 p.m.

Planning Students' Association Seminar.

Rural Poverty and Rural Development in Developing Countries: The Role of Non-Governmental Organizations. Prof. Setty Pendakur, Community and Regional Planning, UBC. Rooms 140/142, West Mall Annex. 12:30 p.m.

Philosophy Lecture.

Perception: Is the Eye Really Intelligent? Prof. Fred Dretske, University of Wisconsin, Madison. Room A106, Buchanan Building. 12:30 p.m.

Kafka Symposium.

Kafka and Milena. Hana Gafman-Arie, Hebrew University of Jerusalem. Penthouse, Buchanan Building. 2:30 p.m.

Kafka Symposium.

The Swords are Drawing Closer: A Personal Comment on Franz Kafka's Inspiration. A paper by Czechoslovakian writer Ivan Klima will be read by Prof. Marketa Goetz-Stankiewicz, head of UBC's Department of Germanic Studies. Penthouse, Buchanan Building. 3:30 p.m.

Geophysics and Astronomy Seminar.

Cosmology and Elementary Particles. Dr. Hubert Reeves, Centre National de Recherches Scientifiques, Paris. Room 260, Geophysics and Astronomy Building. 4 p.m.

Molecular Genetics Lecture.

Transposons in Archebacteria. Dr. W. Ford Doolittle, Biochemistry, Dalhousie University. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Animal Resource Ecology Seminar.

Foraging Behavior of Apple Root Maggot Flies: A Model for Fruit Parasites. Dr. Bernie Roitberg, Biological Sciences, SFU. Room 2449, Biological Sciences Building. 4:30 p.m.

Kafka Symposium.

A Report to an Academy. A performance by Donald Soule of UBC's Department of Theatre. Dorothy Somerset Studio. 8 p.m.

Home Economics Lecture.

Nutrition: Scientific Realities and Social Expectations. Prof. Helen Guthrie, Nutrition, Pennsylvania State University. Room 60, Home Economics Building. 8 p.m.

THURSDAY, MARCH 10

CIAU Volleyball Championships.

Men's and women's teams compete in the Canadian Interuniversity Athletic Union national championships. Continues all day Thursday, Friday and Saturday. For more information, call 228-3917. War Memorial Gymnasium.

Philosophy Seminar.

Lost Knowledge. Prof. Fred Dretske, University of Wisconsin. Penthouse, Buchanan Building. 10:30 a.m.

Urban Land Economics Workshop.

Vancouver City's Densification Policy. Ann McAfee, Vancouver City Planning Department. Penthouse, Angus Building. 11:30 a.m.

University Singers.

James Fankhauser, director. Recital Hall, Music Building. 12:30 p.m.

Astronomy Lecture.

The History of the Universe. Dr. Hubert Reeves, director of Research, National Centre for Scientific Research, Paris. Sponsored by the Leon and Thea Koerner Foundation, TRIUMF. Geophysics and Astronomy. Hebb Theatre. 12:30 p.m.

Anthropology and Sociology Lecture.

The Role of Hunting in Early Hominid Diet. Prof. Lewis R. Binford, Anthropology, University of New Mexico. Room A100, Buchanan Building. 12:30 p.m.

Geological Sciences Lecture.

Careers in Earth Sciences. Dr. J. Murray, UBC. Room 330A, Geological Sciences Building. 12:30 p.m.

Women's Studies Talk.

The Power of Women in Shakespeare. Dr. Kay Stockholder. Room A205, Buchanan Building. 12:30 p.m.

Women in China.

Madame Chu Ling, Szechuan Medical University, Szechuan province, People's Republic of China, will discuss the subject of the role of women in contemporary Chinese society. Sponsored by the Women Students' Office. Room 223, Brock Hall. 12:30 p.m.

Institute of Asian Research Film.

North China Factory. Admission is free. Auditorium, Asian Centre. 12:30 p.m.

Educators for Nuclear Disarmament.

Seek Peace and Pursue It. Selections from Jewish Sources. Daniel Siegel, director, Hillel House. Room 200, Computer Science Building. 12:30 p.m.

Faculty Association Meeting.

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

Condensed Matter Seminar.

Magnetism and Coal Science. I.S. Jacobs, General Electric R&D Center. Room 318, Hennings Building. 2:30 p.m.

Psychology Colloquium.

Brain Evoked Potentials As Correlates of Human Pain. Prof. C. Richard Chapman, Psychology, Anesthesiology, and Psychiatry, University of Washington. Room 228, Angus Building. 3:30 p.m.

Biomembranes Discussion Group Seminar.

Cell-Type Specific Differentiation in Dictyostelium Discoideum. Dr. W.J. Loomis, Jr., Biology, University of California, San Diego. Lecture Hall 3, Woodward Instructional Resources Centre. 4 p.m.

Physics Colloquium.

A Physics Professor in the U.S. Congress. Burton H. Muller, Physics and Astronomy, Wyoming University. Room 201, Hennings Building. 4 p.m.

SUB FILMS.

Das Boot. Shows are at 7 p.m. on Thursday and Sunday and at 7 and 9:45 p.m. on Friday and Saturday. Admission is \$1.50. Auditorium, Student Union Building. 7 p.m.

Papua New Guinea/Australia Films.

Two films narrated by George Sirk, naturalist filmmaker. *Papua New Guinea's Interior (People, Birds, Flora and Fauna)* and *The Australian Great Barrier Reef*. Admission is \$2.50; \$2 for I.H. members. Upper Lounge, International House. 7:30 p.m.

Home Economics Lecture.

Family Studies in Home Economics: Toward A Theoretical Orientation. Prof. Reuben Hill, Regents' Professor of Family Sociology, University of Minnesota. Room 60, Home Economics Building. 8 p.m.

FRIDAY, MARCH 11

Health Sciences Open House. 10 a.m. to 4 p.m.

Community and Regional Planning Lecture.

LRT in Vancouver. Dr. Ron Rice, director, Strategic Planning, GVRD Transit. Room 102, Lasserre Building. 11:30 a.m.

Anthropology and Sociology Lecture.

The Analysis of Archeological Site Structure. Prof. Lewis R. Binford, Anthropology, University of New Mexico. Room A204, Buchanan Building. 12:30 p.m.

History Lecture.

What is American About American History? Prof. Carl N. Degler, History, Stanford University. Room A104, Buchanan Building. 12:30 p.m.

Political Science Lecture.

The Decay of Political Leadership in Post-Industrial Societies. Prof. Donald Mathews, Political Science, University of Washington. Room A203, Buchanan Building. 12:30 p.m.

John F. McCreary Lecture.

The Management of Pain. Dr. C. Richard Chapman, associate director for Research, University of Washington Pain Centre, Seattle. Lecture Hall 6, Woodward Instructional Resources Centre. 12:30 p.m.

Medical Genetics Seminar.

Clinical Problems. Medical Genetics clinical unit staff. Parentcraft Room, Main Floor, Grace Hospital. 1 p.m.

Linguistics Colloquium.

The Role of Formulaic Utterances in Children's Acquisition of Syntax. Carolyn Johnson, Audiology and Speech Sciences, UBC. Room D121, Buchanan Building. 3:30 p.m.

Chemical Engineering Seminar.

Gas Composition Measurement in Spouted Bed Coal Gasifier. Z. Haji-Sulaiman; and Preheating of Wood Chips by Kraft Recovery Flue-Gases. Bosco Chow. Room 206, Chemical Engineering Building. 3:30 p.m.

Geological Sciences Seminar.

Understanding Ore Deposits: Skarns and Breccia Pipes, Cananea, Mexico. Dr. L. Meinert, Washington State University. Room 330A, Geological Sciences Building. 12:30 p.m.

History Seminar.

What is American About American History? Prof. Carl N. Degler, History, Stanford University. Room 304, Brock Hall. 3:30 p.m.

Economics Seminar.

James Ramsey, New York University. Room 351, Brock Hall. 4 p.m.

University Singers.

James Fankhauser, director. Recital Hall, Music Building. 8 p.m.

SATURDAY, MARCH 12

Health Sciences Open House. 10 a.m. to 8 p.m.

Scholarship Benefit Concert.

Pro Arte String Quartet with Ronald de Kant, guest clarinetist. For information, call 228-3113. Recital Hall, Music Building. For information, call 228-3113. 8 p.m.

Continued on page 8

UBC CALENDAR

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SUNDAY, MARCH 13

Health Sciences Open House. 11 a.m. to 4 p.m.

MONDAY, MARCH 14

Cancer Research Seminar.

The Role of Hormone Therapy in Estrogen-Receptor Negative Patients with Breast Cancer. Dr. Douglass Tormey, Human Oncology and Medicine, University of Wisconsin. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Philosophy Seminar.

Introspection and Self-Knowledge in Philosophy and Psychology. Prof. Don Locke, Stanford University. Auditorium, Asian Centre. 12:30 p.m.

Hispanic and Italian Studies Musical Recital.

Traditional Catalan Songs and Modern Poems. Xavier Ribalta, Catalan singer from Barcelona, Spain. Room A203, Buchanan Building. 12:30 p.m.

Classics Lecture.

Dr. Johnson's Influence on A. E. Housman. Prof. Robert Renehan, Greek, University of California, Santa Barbara. Room A204, Buchanan Building. 12:30 p.m.

Fiction Reading.

Keith Maillard will give a public reading of his fiction. Admission is free. Sponsored by the creative writing department. Penthouse, Buchanan Building. 12:30 p.m.

Political Science/Slavonic Studies Seminar.

Recent Developments in Poland and Eastern Europe. Richard Swartz, Central European correspondent for the *Svenska Dagbladet*. Penthouse, Buchanan Building. 2:30 p.m.

Management Science Seminar.

Prof. J. Case. Room 212, Angus Building. 3:30 p.m.

Mechanical Engineering Seminar.

Dynamics of a Large Class of Satellites with Deploying Flexible Appendages. A. Ibrahim. Room 1204, Civil and Mechanical Engineering Building. 3:30 p.m.

Molecular Genetics Lecture.

Analysis of Gene Structure and Function Using Biotin-Labeled Polynucleotide Probes. Dr. David C. Ward, Human Genetics and Molecular Biophysics and Biochemistry, Yale University School of Medicine. Lecture Hall 5, Woodward Instructional Resources Centre. 3:30 p.m.

Applied Mathematics Seminar.

Linear and Nonlinear Waves in Stratified Media. Dr. Brian R. Seymour, Mathematics, UBC. Room 229, Mathematics Building. 3:45 p.m.

Biochemical Colloquium.

Calmodulin: Its Regulatory Role and Mechanism of Action. Dr. Jerry Wang, University of Calgary. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Faculty Club.

Wine-tasting. Dr. Pauly, proprietor of the Peter Nicolay Wine Cellars in Urzig on the Moselle, will introduce three German wines. Cost is \$5 per person. Salons B and C, Faculty Club. 6 p.m.

TUESDAY, MARCH 15

Botany Seminar.

Interactions Between K^+ - H^+ - Ca^{2+} Fluxes in Barley - Electrogenic Transport or Maintenance of Charge Balance? Dr. Y. Siddiqi, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Science in Society Series.

A Philosopher's View: The Values in Cost/Benefit Analysis. Dr. Ed. Levy, Philosophy, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

Practical Writing Lecture.

Oral and Written Expression Throughout a Career. James Charles, Shoppers Drug Mart. Room 201, Computer Science Building. 12:30 p.m.

Institute of Asian Research Film.

Hinduism. Admission is free. Auditorium, Asian Centre. 12:30 p.m.

Fiction Reading.

Audrey Thomas will give a public reading of her fiction. Admission is free. Sponsored by the creative writing department. Penthouse, Buchanan Building. 12:30 p.m.

Oceanography Seminar.

Dr. T. Sanford, Oceanography, University of Washington. Room 1465, Biological Sciences Building. 3 p.m.

Chemistry Lecture.

Ligand Design in Co-ordination Chemistry. Dr. M. Fryzuk, Chemistry, UBC. Room 250, Chemistry Building. 4 p.m.

Gerontology Lecture.

Demographics of Population Aging: Social-Institutional Implications. Dr. Leroy Stone, Sociology, University of Western Ontario. Lecture Hall 3, Woodward Instructional Resources Centre. 7 p.m.

Development Education Series.

Any Answers? Shifting the Balance: Canada's Role in the Global Community. Sponsored by CUSO. For further information, call 228-4886. Upper Lounge, International House. 7:30 p.m.

WEDNESDAY, MARCH 16

Pharmacology Seminar.

Transmitter Release by Calcium Surrogates. Michael Curtis, Pharmacology, UBC. Room 114, Block C, Medical Sciences Building. 12 noon.

Noon-Hour Concert.

Robert Taub, piano, winner of the Special Prize, Gina Bachauer International Piano Competition, 1982. Recital Hall, Music Building. 12:30 p.m.

English Lecture.

Violence in English and American Fiction. Dr. Angus Ross, University of Sussex. Sponsored by the Committee on Lectures. Room A104, Buchanan Building. 12:30 p.m.

Anthropology and Sociology Lecture.

Socialist Approaches to Law and Order in the Post-War Period. Dr. Ian Taylor, Sociology, Carleton University. Penthouse, Buchanan Building. 12:30 p.m.

Classics Seminar.

Some Passages from the Early Greek Poets. Prof. Robert Renehan, Greek, University of California, Santa Barbara. Copies of passages available from Classics office. Room C154, Buchanan Building. 3:30 p.m.

Statistics Workshop.

Robust Fitting of Time Series Models. Dr. R. Douglas Martin, Statistics, University of Washington. Room 308, Angus Building. 3:30 p.m.

Pacific Rim Seminar.

The Investment and Operational Characteristics of Canadian Firms in the Asian Pacific Region. J.W.C. Tomlinson and C.L. Hung. Room 604, Asian Centre. 4:30 p.m.

Animal Resource Ecology Seminar.

Species Separation or Multi-species 'flocking' in African Ungulates: A Paradox. Dr. Tony Sinclair, Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Comparative Literature Colloquium.

Recent Thoughts of the Novel: Marthe Robert, *Roman d'origines, origines du roman*, and Walter Reed, *An Exemplary History of the Novel*. Jennifer Levine, English, UBC. Penthouse, Buchanan Building. 4:30 p.m.

THURSDAY, MARCH 17

Classics Lecture.

A New Classical Greek Lexicon. Prof. Robert Renehan, Greek, University of California, Santa Barbara. Room A204, Buchanan Building. 12:30 p.m.

Geological Sciences Lecture.

The Development of Multiple Seepage Faces: Applications to Geotechnical, Hydrogeological and Geomorphological Problems. J. Rulon, UBC. Room 330A, Geological Sciences Building. 12:30 p.m.

Institute of Asian Research Film.

Islam. Admission is free. Auditorium, Asian Centre. 12:30 p.m.

H.R. MacMillan Lecture.

The Role of Northwest American Trees in Western Europe. Prof. J.D. Matthews, Head of Forestry, University of Aberdeen, Scotland. Room 166, MacMillan Building. 12:30 p.m.

Educators for Nuclear Disarmament.

Empowering Ourselves Through Collective Action. Janice Bulman. Room 200, Computer Science Building. 12:30 p.m.

Condensed Matter Seminar.

Intercalation Islands in $Ag_x Ti S_2$. R.F. Frindt, SFU. Room 318, Hennings Building. 2:30 p.m.

Animal Resource Ecology Seminar.

The Biomass Size Spectra and Aquatic Community Structure: Are Bacteria More Important than Whales? Dr. S.R. Kerr, Marine Ecology Laboratory, Fisheries and Oceans, Dartmouth, Nova Scotia. Room 2449, Biological Sciences Building. 4:30 p.m.

SUB Films.

The Thing. Shows are at 7 p.m. on Thursday and Sunday and at 7 and 9:30 p.m. on Friday and Saturday. Admission is \$1.50. Auditorium, Student Union Building. 7 p.m.

Classics Lecture.

Hippocrates in Colonial America: the *Epidemics* and Thomas Robie (1689-1729). Prof. Robert Renehan, Greek, University of California, Santa Barbara. Memorial Room, Woodward Biomedical Library. 7:30 p.m.

CUSO Information Evening.

Bill Raikes, returned volunteer in Sierra Leone, will show slides. CUSO recruitment information available. For information, call 228-4886. Upper Lounge, International House. 7:30 p.m.

UBC Choral Union.

Music of Arthur Honegger - *King David*. James Schell, director, with the UBC Wind Symphony, Martin Berinbaum, director. Recital Hall, Music Building. 8 p.m.

FRIDAY, MARCH 18

UBC Choral Union.

Music of Arthur Honegger - *King David*. James Schell, director, with the UBC Wind Symphony, Martin Berinbaum, director. Recital Hall, Music Building. 12:30 p.m.

Leon and Thea Koerner Lecture.

When is a Feather a Chicken Leaf: A Longitudinal Investigation of Naming and Reading. Dr. Maryanne Wolf, Child Study, Tufts University, Mass. Room A102, Buchanan Building. 12:30 p.m.

Anthropology and Sociology Lecture.

Questions of Democracy and Hegemony in the Canadian State. Dr. Ian Taylor, Sociology, Carleton University. Penthouse, Buchanan Building. 12:30 p.m.

Leon and Thea Koerner Lecture.

A Neurolinguistic Investigation of the Developmental Dyslexias. Dr. Maryanne Wolf, Child Study, Tufts University, Mass. Room D121, Buchanan Building. 3:30 p.m.

Economics Seminar.

A General Theory of the Vertical Squeeze. Dave Scheffman, Concordia University. Room 351, Brock Hall. 4 p.m.

International House.

Potluck supper with international cuisine. For reservations, call 228-5021. A folk night will follow dinner. Lower Lounge, International House. 6:30 p.m.

Journeys Through the Mind.

The First Earth Battalion: Moving a Mountain with a Myth. Lt. Col. James Channon. Admission is \$5; \$4 for students. Early registration is advised. For more information, call the Centre for Continuing Education at 228-2181, local 261. Lecture Hall 2, Woodward Instructional Resources Centre. 8 p.m.

SATURDAY, MARCH 19

Rugby.

McKechnie Cup match between UBC and the Vancouver Island Reps. Thunderbird Stadium. 2 p.m.

UBC Wind Symphony.

1983 "Pops Concert." Martin Berinbaum, director. Ballroom, Student Union Building. 8 p.m.

Notices . . .

Frederic Wood Theatre

The Frederic Wood Theatre presents *The Ticket-of-Leave Man*, a Victorian play by Tom Taylor, from March 2 to 12 (except Sunday). For ticket information and reservations, call 228-2678 or visit Room 207 of the Frederic Wood Theatre Building.

Faculty Club Theatre Special

The UBC Faculty Club is featuring a theatre special in the main dining room March 2 to 12. Cost is \$13.25 and reservations are required. This special will also be available during Open House on March 11 and 12.

Improve Your French

Quebec mature students (ages 18-98) learning English would like to correspond with B.C. residents learning French for mutual language improvement. For more information, contact Jean-Marc Perreault, Tele-Universite, 1819, Boul. Dorchester ouest, Montreal, H3H 2P8 or the Centre for Continuing Education Language Programs and Services at 228-2181, local 227.

Language Programs

Conversational French and Spanish classes start week of March 8. French class for UBC faculty and staff will be held Tuesdays and Thursdays from 5 to 7 p.m. Also being offered is a program on Language Teaching Techniques. For more information, call the Centre for Continuing Education Language Programs and Services at 228-2181, local 227.

Faculty Club Captain's Dinner

Features a seafood buffet. Cost is \$17.50 per person. Reservations required. Saturday, March 5 at 7 p.m.

Bookstore

The Bookstore will be closed on Wednesday, March 30 and Thursday, March 31 for the annual inventory. Monday, March 28 will be the last day for accepting departmental requisitions.

Lost and Found

The Lost and Found is located in Room 208 of Brock Hall. Telephone, 228-5751. Hours of operation are 10:30 a.m. - 1:30 p.m. on Monday and Wednesday, 11:30 a.m. - 1:30 p.m. on Tuesdays, 11:30 a.m. - 3:30 p.m. on Thursdays and extended hours on Friday are 10:30 a.m. - 1:30 p.m. and 2:30 - 4:30 p.m. Found items may be left at the Women Students' Office, Brock Hall 203 if the Lost and Found is closed.

Ukrainian Canadian Students Union

The Ukrainian Canadian Students Union are holding a conference on the UBC campus March 3 to 6. The theme of this year's conference is "Multi-culturalism and Leadership Skills Development." For details contact the UBC Ukrainian Students' Club.

Treasures of China Exhibit

The UBC Chinese Students' Association is sponsoring an exhibit entitled "Treasures of China: An Exhibition of Historical Art and Culture" at the Asian Centre. The exhibit opened on Feb. 26 and continues until March 5.

Photography Show

Peter Thomas, medical photographer in the Department of Biomedical Communications, has a show of framed color prints up to 30 x 40" at the Faculty Club. The photographs, which show whales and seascapes, will be on display until March 5.

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