

UBC REPORTS

Volume 28, Number 12

May 12, 1982

Donner \$225,000 funds 3-year study of mega-projects

A team of researchers at UBC is about to launch a three-year study of the impact of mega-projects on the people and environment of northern Canada and British Columbia.

The project, spearheaded by three members of UBC's School of Community and Regional Planning, is supported by grants totalling \$225,000 from the Donner Canadian Foundation of Toronto.

The research studies will focus on oil and gas mega-projects in the Mackenzie Delta-Beaufort Sea region of the Northwest

Conference season good, '83 better

UBC's 1982 conference season will be good, but next year will be fabulous, says conference centre manager Susanne Nikles.

Ms. Nikles says this year's May-through-August period will be about the same as last year's. This means about 80,000 bed nights, gross revenue of about \$1 million, and a profit in excess of \$250,000.

There were 179 groups on campus last summer, and so far this year there are 165 bookings. More than 23,000 people will attend meetings, although not all will sleep on campus.

The summer of 1983, however, is expected to be the best ever for the conference centre, with bed nights likely to top 150,000.

Two big conferences already booked for 1983 are the World Council of Churches, which has reserved 2,200 rooms for three weeks, and the worldwide Association of Country Women, which will bring 1,200 delegates to the UBC campus for 10 days.

Profit from the conference centre helps keep residence rates for students as low as possible.

Here are some of the major conferences that will be held on campus this summer:

- B.C. Choral Federation, 400 delegates, May 14-16;
- Women's Network, 500 delegates, June 3-6;
- Christian and Missionary Alliance, 1,500 delegates, June 22-27;
- American Society of Photobiology, 500 delegates, June 27-July 2;
- Lutheran Youth Gathering, 1,500 delegates, July 8-11;
- Agricultural Institute, 1,200 delegates, July 11-15;
- Histochemical Society, 500 delegates, July 21-25;
- International Planetarium Association, 600 delegates, July 25-31;
- Canadian Association for Future Studies, 400 delegates, Aug. 13-16;
- B.C. Teachers Federation bargaining conference, 500 delegates, Aug. 15-22;
- Ex-Wren reunion, 575 delegates, Aug. 19-22;
- International Carbohydrate Symposium, 1,000 delegates, Aug. 22-28.

Territories and coal development in northeast British Columbia.

Dr. William Rees, the principal investigator, said special emphasis will be placed on the impacts and opportunities related to native and other northern communities. Associated with Dr. Rees on the project will be colleagues Peter Boothroyd and Dr. Clyde Weaver.

Dr. Rees said the project would:

- Investigate the adequacy of existing procedures related to mega-project policy making, planning and impact assessment in Canada's north;
- Detail the socioeconomic effects — good and bad — of mega-projects on native and other communities; and
- Suggest ways of improving northern development plans and planning, including the integration of such existing regulatory mechanisms as impact assessment.

A major aim of the study, said Dr. Rees, is to further effective planning at all levels so that northern communities prosper rather than flounder in the face of large-scale industrial development.

Dr. Rees, who has focussed on topics related to northern ecology and regulation over the past decade, said an estimated \$220 billion worth of oil, gas and mineral projects are slated for development over the next two decades in the unsettled northern regions of the four western provinces, the Yukon and the Northwest Territories.

"These proposed developments," he said, "have few parallels anywhere in the world and have the potential to transform drastically the national economy and permanently alter the environment and socioeconomic fabric of the Canadian north."

"Native communities will be particularly affected, and many are now faced with the question of whether mega-projects mean a better or worse standard of living for them," said Dr. Rees.

Among the specific studies to be undertaken by the three leading investigators will be the following.

Dr. Rees will study implementation of the new Land-Use Planning Program of the federal Department of Indian Affairs and Northern Development in the Beaufort Sea region and compare it to B.C.'s approach to planning for Northeast Coal development.

He will also analyse government decision-making processes for northern mega-projects culminating in the Environmental Assessment and Review Process for oil and gas development in the Beaufort Sea.

Mr. Boothroyd will analyse and evaluate northern social impact assessment procedures and analyse the employment histories of selected northern residents to determine the factors which have hindered or encouraged integration into the wage economy and the consequences for

Please turn to page 3
SEE PROJECTS



Look skyward, Sunny. Explaining finer points of erosion control to CFUN reporter Sunny Lewis is Stuart Lefeaux, project manager of cliff protection work undertaken by UBC at Tower (Wreck) Beach. Also listening and looking is UBC vice-president Jim Kennedy. They are standing on new sand that tops 2,000-foot rock berm that protects cliffs from waves.

Nurse-anthropologist gives Woodward Lecture May 20

Dr. Madeleine M. Leininger, nurse and anthropologist, will give the annual Marion Woodward Lecture, sponsored by the UBC School of Nursing, on Thursday, May 20 at 8 p.m. in Lecture Hall 6 of the Woodward Instructional Resources Centre.

Dr. Leininger, who was the first nurse to also receive a doctoral degree in anthropology, has carried out extensive research into cross-cultural aspects of health care. She holds a joint appointment as professor of nursing and anthropology and is director for health research at the College of Nursing at Wayne State University in Detroit, Michigan.

A noted author and speaker, she has also been involved in numerous research projects funded by various universities and by the American government, with a

recent emphasis on transcultural nursing and on cross-cultural ethics of health care. She has done research on health care practices with many different cultural groups.

Her presentation is titled "Transcultural Care: The Fourth Major Revolution in Health Services."

This annual public lecture will be of particular interest to members of the health professions and to those who are interested in how cultural practices and ethnic backgrounds may affect the ways we give and receive health care.

The lecture, named for the late Marion Woodward, is made possible through a gift to the School of Nursing from the Mr. and Mrs. P.A. Woodward's Foundation.

Scanners make UBC top imaging centre

UBC will soon be Canada's leading centre for imaging the structure and inner workings of the human body.

The University is bringing together the latest in research and diagnostic tools that will show what is happening at a microscopic level within the cells of the body. They will allow the biochemistry of the body to be studied for the first time without disturbing the body or removing samples from the body.

As probes they are so sophisticated that biochemical events associated with health, or misadventures that accompany disease, can be detected while the patient is conscious and alert and does not feel any pain or discomfort.

These 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.

Pharmaceutical Sciences dean and coordinator of Health Sciences Dr. Bernard Riedel said UBC's imaging facilities bring together scientists from a wide range of disciplines within chemistry, physics, pharmacy and medicine.

"UBC will easily be the most advanced

centre in the nation for imaging the human body," Dr. Riedel said.

The three main imaging devices are the computer tomograph (CAT), nuclear magnetic resonance (NMR) and positron emission tomograph (PET) scanners. They will be installed in the Health Sciences Centre Hospital on campus.

The CAT scanner provides three-dimensional images of the entire body. About half a dozen hospitals in the province already have CAT scanners.

Much less common are NMR and PET scanners.

The University is buying an NMR scanner from Picker International Inc. of Cleveland. The machine is the first commercial version of its kind in North America.

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

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 doing so absorb or emit electro-magnetic radiation which can be detected by a receiver similar to a sensitive FM radio receiver and transformed by a computer into pictures or images which are displayed on a television screen.

A PET scanner is now being built at the TRIUMF cyclotron project at UBC and will be moved to the Health Sciences Centre Hospital. There are two other PETs in Canada, at the Montreal Neurological Institute and at McMaster University in Hamilton. Neither is as powerful as the one being built at UBC.

PET scanners provide three-dimensional images of the biochemical working of the brain and are being hailed as one of the most significant advances in brain disease research in decades. They will be used for diagnosis and research into such common

neurological diseases as stroke, epilepsy, multiple sclerosis and Parkinson's disease. The program has just received major funding for its first three years by the Medical Research Council of Canada.

Ground will be broken this month on the world's largest "peashooter," a pneumatic pipeline running 2.4 kilometers from the TRIUMF cyclotron project on UBC's south campus to the Health Sciences Centre Hospital.

The pipeline is to deliver very short-lived radioisotopes rapidly and safely from TRIUMF to be used in the PET machine.

Dr. William Webber, dean of UBC's Faculty of Medicine, said the imaging facilities are ideally suited for a university setting.

"The proximity of TRIUMF to the hospital on campus makes it possible to use radioisotopes whose life span may be as short as two minutes. The collaboration of scientists from a variety of departments and disciplines represents the kind of interaction which planners of the hospital hoped and expected would occur.

"The imaging devices will make UBC the most advanced centre of its kind in Canada and a leader on the continent."



Top talkers at UBC in 1982 were the three students at right who were prize winners in a public-speaking contest sponsored by Dr. Ralph Yorsh, left, a sessional lecturer in the Faculty of Dentistry and the man behind the campus Toastmasters Clubs. Arts student Tom Valentine, right, won the first prize of \$100 in this year's contest. Runnersup were Science student Karim Damji, second from right, who won second prize of \$75 and Ignatius Chong, a Commerce student who took third prize of \$25.

Foundation on Asia studied

Canada is a step closer to Asia.

At a meeting at the Asian Centre on April 15, strong support was given to form a Canada Foundation on Asia and the Pacific.

The foundation's objective would be to strengthen and deepen Canada's links with Asia, encourage economic trade, and increase awareness in Canada and Asia of our increasing interdependence.

The meeting was organized by UBC's Institute for Asian Research to assist Mr. John Bruk, chairman of Cyprus Anvil Mining Corp. of Vancouver, who has been asked by the federal government to report on the feasibility of establishing the foundation.

Behind Ottawa's move is the growing importance of Asia to Canada. Japan, for example, is now Canada's second most important trading partner after the U.S., surpassing any single European nation. And economic growth of the Asian Pacific Rim countries is much higher than that of the European Common Market.

Yet Canada remains predominantly European in outlook and background and is culturally ill-equipped for Asian affairs.

Two previous meetings were held in Montreal and Toronto, where there was general agreement that the foundation

should be created. But it was at the UBC meeting that concrete proposals were made on what shape the foundation should take and what it should do.

At the meeting were representatives of business, labor, the media, universities, social agencies, government and cultural organizations.

Part of the consensus to emerge from the UBC meeting was that the foundation should reflect the national and bilingual character of Canada, and be as independent as possible from all interest groups while serving all sectors.

Other common themes were that the foundation should be a small, flexible organization that does not duplicate the work of many other organizations in Canada now involved in some aspect of Asian affairs.

The foundation would be a clearinghouse or resource centre pulling together all information on Canadian-Asian relations. And because the foundation would have an overview of Canadian-Asian affairs, it would be able to fund research to fill information gaps.

It would also organize an exchange program allowing Canadians and Asians to spend time studying or working in each other's countries.

UBC Cervantes expert gets Guggenheim award

Dr. Robert Flores of UBC's Department of Hispanic and Italian Studies is one of only seven Canadian university researchers who have been awarded prestigious Guggenheim Fellowships for 1982.

The fellowships, awarded annually by the John Simon Guggenheim Memorial Foundation of New York, are awarded on the basis of demonstrated past accomplishments and strong promise for the future.

The award to Dr. Flores, which will allow him to take a year's leave of absence to devote full-time to research, is the only 1982 fellowship awarded in Western Canada.

Dr. Flores, who has been a UBC faculty member for eight years, is widely known for his research on the work of Miguel de Cervantes (1547-1616), the Spanish author who is best known for one of the masterpieces of literature, *Don Quixote*, widely regarded as the predecessor of the modern novel.

Although best known for *Don Quixote*, Cervantes was also the author of at least six other works covering a wide range of literary genre, including poetry, plays and short stories as well as three novels.

Because the original manuscripts of Cervantes' works have been lost, Dr. Flores has visited a number of North American and European centres to work on rare first editions of Cervantes' works.

His aim is to recover Cervantes' orthography, the vocabulary, spelling and punctuation of the original manuscripts in order to prepare the first "old-spelling" edition of the Spanish author's works.

This isn't as easy a task as might appear on the surface. Cervantes had no control over his works after selling them to a publisher and some 18 different compositors imposed their own orthography on the first editions.

Born in Mexico, Dr. Flores is a graduate of the Universities of Mexico and Oregon and Cambridge University in England, where he was awarded the degree of Doctor of Philosophy in 1972. He has published a number of books and articles based on his research, including important material on the first printers and compositors of Cervantes' works.

He has been honored by the Canadian Association of Hispanists for two books judged to be the best works on Hispanic studies published in the years 1974-77 by a faculty member teaching at a Canadian university.



Robert Flores

\$1,200 per job is gov't limit

The provincial government has set aside \$10 million to help pay for summer jobs for students, and UBC's share of this is \$726,000.

Last year, under the Youth Employment Program that ran from 1975 until cancelled this year, the University received \$1.4 million and gave work to 613 students.

Under this year's program, the government will pay a maximum of \$1,200 per job, based on a salary of \$600 a month for two months.

Any funding beyond the \$1,200 limit must come from other sources. Fringe benefits, which at UBC would amount to \$96 over two months on the \$1,200, also are the responsibility of the employer.

Administrator of the program at UBC is Dick Shirran, director of the Student Counselling and Resources Centre. Department heads or other prospective employers on campus can reach Mr. Shirran at 228-4326.

CAMPUS PEOPLE

The following UBC faculty members were recently named fellows of the Royal Society of Canada: **Prof. Erwin Diewert**, economics; **Prof. Laurance Hall**, chemistry; **Prof. Brian James**, chemistry; **Prof. Paul LeBlond**, oceanography; **Prof. Michael W. Owendon**, geophysics and astronomy; **Prof. John Walsh**, mathematics; **Dr. John Dirks**, head, medicine; **Dr. Charles Walter Koerner**, management committee chairman, Health Sciences Centre Hospital; and **Prof. Richard Harris** of the geography department.



Prof. John S. Nadeau of the Department of Metallurgical Engineering has been awarded \$26,000 by the Science Council of B.C. for research to control the slow growth of cracks in wood under the influence of environmental factors and mechanical stress.



Dr. Walter Groesky, a clinical associate professor of psychiatry at UBC, has been appointed a consultant in psychiatry to the B.C. ministry of health's mental health services. His main duties in this capacity will involve the development of acute care programs.



Charles A. McDowell, University Professor of Chemistry at UBC, is the winner of the Montreal Medal of The Chemical Institute of Canada. The medal, sponsored by the Montreal section of the institute, is presented as a mark of distinction and honor to a resident of Canada who has shown significant leadership in or has made an outstanding contribution to the profession of chemistry or chemical engineering in Canada.



Dr. Peter Oberlander, director of the Centre for Human Settlements at UBC, was a member of the Canadian delegation at the fifth session of the UN Commission on Human Settlements held in Nairobi from April 26 to May 7.

The commission, comprised of 58 member nations, was established following the UN Conference on Human Settlements in Vancouver in 1976 (Habitat 76) and provides continuity and co-ordination of all UN activities on settlements issues.



Errol Durbach of UBC's Department of English is the author of a recently published book *Ibsen the Romantic: Analogues of Paradise in the Later Plays*. Mr. Durbach's book explores two sides of the playwright's personality: a romantic caught up in spiritual distress and a counter-romantic who viewed the world from an opposite and ironic perspective. The book is published by the University of Georgia Press.



C.O. "Chuck" Brawner, an associate professor in the mining and mineral process engineering department at UBC, has received the 'Publication Award' of the American Society of Mining Engineers for his work on the book *Stability in Surface Mining Volume 3*. Mr. Brawner, who received a similar award in 1981 for a book on uranium mine waste disposal, is the only member of the Association of Professional Engineers of B.C. to receive the award twice.

Risebrough named vice-provost; 3 department heads appointed

Dr. Neil Risebrough, assistant dean in the Faculty of Applied Science, has been named vice-provost for student affairs at UBC.

A member of the UBC faculty since 1963, Dr. Risebrough will take up his new position on Jan. 1, 1983, when he returns from a year's leave of absence as a consultant on metallurgical problems for a Vancouver firm of consulting engineers.

In addition to approving the appointment of Dr. Risebrough at its May meeting, UBC's Board of Governors approved the appointment of three new department heads.

They are:

- Dr. A.D. Forward, whose appointment as head of the Department of Surgery in the Faculty of Medicine was effective on April 1;

- Prof. Lawrence Weiler as head of the Department of Chemistry in the Faculty of Science, effective July 1; and

- Prof. Martin Silverman as head of the Department of Anthropology and Sociology in the Faculty of Arts, effective July 1.

As vice-provost for student affairs, Dr. Risebrough will report to Prof. Michael Shaw, UBC's vice-president academic and provost. Dr. Risebrough will be responsible for liaison with the directors of University residences, the Women Students' Office, the Student Counselling and Resources Centre, the Student Health Service, campus day care, the Awards and Financial Aid Office and International House.

As assistant dean and director of the engineering core program in Applied Science, Dr. Risebrough has been responsible for the first-year engineering program and for the development of a new four-year engineering degree program now under consideration in the faculty.

He has also been instrumental in developing first-year engineering transfer programs in co-operation with five B.C. community colleges and with Simon Fraser University.

Dr. Risebrough holds the degrees of Bachelor and Master of Applied Science from the University of Toronto. He received his Doctor of Philosophy degree from UBC in 1966. In his academic field, Dr. Risebrough is a member of the Department of Metallurgical Engineering

and is an expert on metal fatigue and failure.

Dr. Risebrough is a former member of the West Vancouver School Board, Capilano College Council and the North Shore Union Board of Health.

Until Dr. Risebrough takes up his position, Kenneth Young, UBC's registrar, will continue to serve as acting vice-provost.

Dr. A.D. "Herb" Forward has a long association with UBC. He took his undergraduate and medical degrees from UBC, graduating from the Faculty of Medicine in 1957, and was captain of the UBC Thunderbirds basketball team.

After studying in Montreal and Buffalo,



Neil Risebrough



Lawrence Weiler



Martin Silverman

15 more join University's 25-Year-Club

Fifteen new members will be added to UBC's 25-Year Club for long term employees when the club holds its annual dinner meeting in the UBC Faculty Club on Friday (May 14).

The new members will bring to 107 the total number of members of the club. Just over half the members are retired and the balance are still active members of the University's employed staff.

President Douglas Kenny will present club pins to new members at the Friday banquet.

Those being inducted are: Wes Clark, Employee Relations; Victor Doray, Biomedical Communications; Willy Fath, Vagn Faurshou, John Slessor and Joseph McKay, all of Physical Plant; Margaret Irving, office of the Dean of Arts; Kenneth MacKenzie, Health Sciences; Rolf Muelchen, Pathology; Sidney Potter, Purchasing; Frances Takemoto, Finance; Grace Wood, Religious Studies; Johannes Worst, Biochemistry; Barry Scott, Bookstore; and Jim Banham, Information Services.

The current president of the club is Sue Calthorp of the office of the Co-ordinator of Health Sciences, who will preside at the Friday banquet.

Projects *continued from page 1*

northern residents' social, cultural and economic well-being.

Dr. Weaver will analyse northern regional and native community economic structural changes resulting from mega-projects.

Dr. Rees anticipates that there will be significant spinoffs associated with the project.

A total of 13 graduate students registered in the School of Community and Regional Planning will earn their master's degrees by undertaking specific studies under the direction of the research group.

"Not only will the results of research be incorporated into teaching at UBC," he

Dr. Forward completed his specialty training in surgery in Vancouver in 1963, the year he joined UBC's Department of Surgery. In 1977 he became director of post-graduate education in the department, a position he has held to the present.

He is the first UBC medical school graduate to become head of the University's surgery department. His UBC appointment will coincide with his appointment as chief of surgery at VGH.

Dr. Forward is the son of the late Prof. Frank Forward, former head of UBC's Department of Metallurgy, who had a brilliant career in Canadian industry and science and invented a number of metallurgical processes now used throughout the world.

Prof. Lawrence Weiler, the new head of the chemistry department, joined the UBC faculty in 1968 after graduating from Harvard University, where he received his Doctor of Philosophy degree. He also holds the degree of Bachelor of Science from the University of Toronto.

As a chemist, Prof. Weiler has been the recipient of numerous research grants from UBC, provincial and national bodies for work in his special area of study — the synthesis of natural and novel organic compounds.

He was also awarded the Department of Chemistry's master teaching award in 1971.

Prof. Weiler has been active in departmental administration as a member of key committees dealing with appointments, tenure and teaching duties. He has also been an active member of the UBC Faculty Association as a member of its executive and as chairman of the association's salary committee.

Prof. Weiler succeeds Prof. Charles McDowell, who served as head of the Department of Chemistry from 1955 until his resignation in 1981 to accept the post of University Professor in recognition of his distinguished contributions to chemistry and the University. Prof. James Trotter has served as acting head of the department in the interim.

Prof. Martin Silverman, the new head of anthropology and sociology, joined the UBC faculty in 1977 after a teaching and research career at Princeton University, where he was chairman of the anthropology department, and at the University of Western Ontario.

He has served as acting head of the UBC department since the resignation of Prof. Kenelm Burrige as head in 1981.

Prof. Silverman is a graduate of Harvard University, where he was awarded the degree of Bachelor of Arts, and the University of Chicago, where he earned the degrees of Master of Arts and Doctor of Philosophy.

His research interests as an anthropologist encompass topics associated with British Columbia and the South Pacific region known as Oceania. He is a member of a UBC group which is studying the sociology of B.C. resource industries. His other interests centre on linguistic anthropology and the history of the social sciences.

said, "but the University will also be training much-needed professional planners for future northern development."

The experience and knowledge base gained in the course of the project will also enable UBC to develop continuing education training programs for practicing planners and native leaders.

"There are significant long-range effects of the Donner grant in support of this research," Dr. Rees said. "The project will help establish UBC as a major centre for northern and native development and planning research, and provide Canada with leading-edge capabilities in resource development and mega-project planning."

UBC CALENDAR

Deadlines

For events in the weeks of May 30 and June 6, material must be submitted not later than 4 p.m. on May 20. Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

UBC Reports Schedule

There will be only one issue of *UBC Reports* published in the month of June (June 9), so the *Calendar* section of that issue will cover events from June 13 through July 7. The deadline for events for the June 9 issue will be 4 p.m. on June 3.

SUNDAY, MAY 16

Open House.

The Health Sciences Centre Hospital will be holding an Open House from 1 to 5 p.m.

TUESDAY, MAY 18

Assertiveness Training Group.

The Women Students' Office will lead an assertiveness training group for women on May 18 and May 25 from 9 a.m. to 12 noon. The workshop will teach women to express themselves directly and overcome obstacles to assertive behavior. The workshop is free to UBC students. Register by May 13 in Room 203 of Brock Hall, Room 223, Brock Hall, 9 a.m.

THURSDAY, MAY 20

Faculty and Staff Toastmasters Club.

Basic Parliamentary Procedures. Part of a weekly seminar series on enhancement of speaking and evaluation skills through a professionally designed program. Faculty Club, 12 noon.

UBC Educators for Nuclear Disarmament.

Canada's Role in the Arms Race. Dr. Michael Wallace, Political Science, UBC, Room 104, Angus Building, 12:30 p.m.

Marion Woodward Lecture.

Transcultural Care: The Fourth Major Revolution in Health Services. Dr. Madeleine M. Leininger, R.N., Lh.D., F.A.A.N., Nursing and Anthropology and director, Health Research, College of Nursing, Wayne State University, Detroit. Lecture Hall 6, Woodward Instructional Resources Centre, 8 p.m.

TUESDAY, MAY 25

Chemistry Seminar.

Recent Advances in the Chemistry of Organoboranes. Prof. A. Pelter, F.R.S.C., Chemistry, University College of Swansea, Wales, Room 124, Chemistry Building, 11 a.m.

Baccalaureate Service.

Baccalaureate service for members of the 1982 graduating class will be led by Father Paul Burns, vice-principal, St. Marks College. Choral music will be provided by the University Chamber Singers, directed by Cortland Hultberg. Recital Hall, Music Building, 8 p.m.

WEDNESDAY, MAY 26

Spring Congregation.

First day of a three-day event. Honorary degrees will be conferred on Sidney Robert Blair and Robert Gordon Robertson. War Memorial Gymnasium, 2:15 p.m. Reception follows in the Student Union Building.

THURSDAY, MAY 27

Faculty and Staff Toastmasters Club.

How to Present your C.V. Verbally. Part of a weekly seminar series on enhancement of speaking and evaluation skills through a professionally designed program. Faculty Club, 12 noon.

Spring Congregation.

Second day of a three-day event. Honorary degrees will be conferred on Vladimir Joseph Krajina and Ray Gillis Williston. War Memorial Gymnasium, 2:15 p.m. Reception follows in the Student Union Building.

Biochemical Discussion Group.

Lipid Metabolism in Suckling Rats. Dr. Michael Wells, Biochemistry, University of Arizona College of Medicine, Tucson, Room 4210, Block A, Medical Sciences Building, 4 p.m.

FRIDAY, MAY 28

Spring Congregation.

An honorary degree will be conferred on George Frederick Curtis. War Memorial Gymnasium, 2:15 p.m. Reception follows in the Student Union Building.

Native Scholarship Dinner and Dance.

Dinner and dance sponsored by the Professional Native Women's Association. Award presentations and guest speaker Cyril Keeper, M.P., Winnipeg-St. James, the only Native Indian to be elected to parliament. Donations, \$30 per plate. For information and reservations, call 294-9908. The Inn at Denman Place, 1733 Comox St., Vancouver, 6:30 p.m.

Notices...

Faculty Club Exhibition

Etchings by Betty Jean Drummond are on display at the Faculty Club until May 22.

Lost and Found

The Lost and Found is located in Room 164 of the Brock Hall Annex. It will be open from 2:30-4:30 p.m. on Tuesdays and Thursdays only for May and June, 1982.

Summer Dance Classes

Summer dance classes offered by Ballet UBC Jazz are now in progress. Ballet and jazz classes for all levels are being held at various locations on campus. Take advantage of our special drop-in rates or sign up for the second session beginning on July 5. For more information, come to Room 216E, Student Union Building.

Language Classes

The Centre for Continuing Education is sponsoring three-week intensive non-credit courses in conversational French, Japanese and Spanish beginning June 1, July 12 and Aug. 14. For more information, call 228-2181, local 227.

Margaret Redmond Scholarship.

The University Women's Club of Vancouver is offering a scholarship in the amount of \$600 to a mature woman student. Preference will be given to a part-time student in a course proceeding to a degree, in any year up to and including the master's level. Completed applications must be received by the Women Students' Office at UBC by June 1, 1982.

Frederic Wood Theatre

What the Butler Saw by Joe Orton continues until May 15 at the Frederic Wood Theatre. Tickets are \$4; \$3 for students and seniors. For ticket information and reservations, please call 228-2678 or drop by Room 207 of the Frederic Wood Theatre Building.

Volunteers Needed

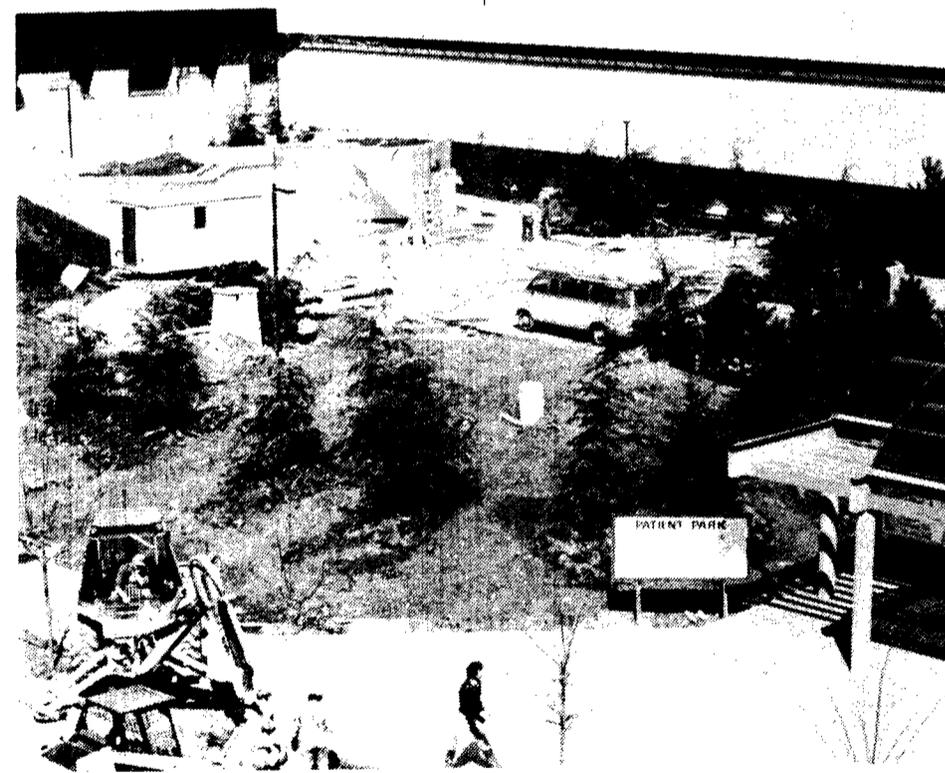
The psychophysiology laboratory at UBC needs volunteers to participate in studies of brain processes and attention. If you are right handed and between the ages of 18 and 35, call 228-2756 or come to Room 12 of the Angus Building. Volunteer subjects are paid \$5 an hour.

Public Events Line

The after-hours public events information line sponsored by the Department of Information Services has a new phone number. The number has been changed from 228-3133 to 228-3131. If you've got an event of public interest that you'd like included on the tape, please call Lorie Chortyk, 228-2064, before noon on the day of the event.

Campus Tours

Tours of the campus are available through the Department of Information Services. Tours begin at 10 a.m. and 1 p.m. Monday through Friday. For more information, call 228-3131.



UBC will have a new green space by the end of this month when a new patient park is completed adjacent to the Acute Care Unit of the campus Health Sciences Centre Hospital. Covering about a hectare of land, the park includes a "water feature," upper left, and flower planters at wheelchair height to allow patients in the Extended Care Unit to take part in a horticulture therapy program. Patients and staff of the Extended Care Unit were involved in the planning of the park, which was carried out through UBC's Department of Physical Plant.

CITR

FM 102

MONDAYS

12:30 p.m. - **Mini-Concert:** A spotlight on bands that have been or will be on CITR's playlist.
3 p.m. - **Melting Pot:** A feature on research at UBC.
7 p.m. - **Offbeat:** The stranger side of the news, with reviews of cheap and/or sleazy entertainment, plus cynics corner.
8 p.m. - **Mini-Concert.**
9:30 p.m.-1 a.m. - **The Jazz Show:** with Shelley Freedman.
11 p.m. - **Final Vinyl:** A jazz album feature.

TUESDAYS

12:30 p.m. - **Mini-Concert.**
3 p.m. - **Coming Out on Campus:** A look at gay issues by the Gay People of UBC.
5 p.m. - **Thunderbird Report:** Campus sports report with Dino Falcone and Brenda Hughes.
6:15 p.m. - **Insight:** A focus on campus issues.
8 p.m. - **Mini-Concert.**
11 p.m. - **Final Vinyl:** A new album feature.

WEDNESDAYS

12:30 p.m. - **Mini-Concert.**
6:10 p.m. - **CITR's Weekly Editorial**
6:15 p.m.-9:30 p.m. - **Chimera:** David McDonagh spotlights local unknowns.
8 p.m. - **Mini-Concert.**
11 p.m. - **Final Vinyl:** A new album feature.

THURSDAYS

12:30 p.m. - **Mini-Concert.**
3 p.m. - **Cross-Currents:** A discussion of environmental, consumer, and other issues of public interest.
5 p.m. - **Thunderbird Report:** Campus sports, plus thundering Phil Kueber's weekly sports commentary.
6:15 p.m. - **Insight.**
8 p.m. - **Mini-Concert.**
11 p.m. - **Final Vinyl:** An imported album feature.

FRIDAYS

12:30 p.m. - **Mini-Concert.**
3 p.m. - **Dateline International:** World affairs with a campus perspective.
6:15 p.m. - **Campus Capsule:** Harry Herscheg reviews the week's events at UBC
8 p.m. - **Mini-Concert.**
11 p.m. - **Final Vinyl:** The neglected album feature.

SATURDAYS

12:30 p.m. - **Mini-Concert.**
4:30 p.m. - **Stage and Screen:** Film and theatre reviews.
6 - 9:30 p.m. - **The Import Show:** with Terry McBride.
11 p.m. - **Final Vinyl:** The classic album feature.

SUNDAYS

8 a.m.-12 p.m. - **Music of Our Time:** Unusual, mostly modern, classical music, with John Oliver and Paris Simons.
12:2:30 p.m. - **The Folk Show:** with Lawrence Kootnikoff.
2:30-6 p.m. - **Rabble Without a Pause:** Steve Hendry gives a lunatic musical view of the world.
3 p.m. - **Laughing Matters:** A serious look at the history and content of recorded comedy.
6 p.m. - **The Richards Report:** Doug Richards gives a wrap-up of the past week's news.
11 p.m. - **Final Vinyl:** A feature of the number one album on CITR's playlist.

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

