

ubc reports

SPECIAL COLLECTIONS

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—Jim Banham photo

Recently opened shop in main lobby of UBC's Museum of Anthropology may have the answer to your Christmas gift problem. Shop offers a variety of Canadian Indian arts and crafts as well as publications, calendars, notecards and silkscreen prints with Indian designs. Shop co-ordinator Theo Bell-Irving, left discusses woven Salish wall-hanging with museum visitor Greta Berry, from Houston, B.C. Volunteers man the shop from noon to 4 p.m. Wednesday through Sunday and noon to 9 p.m. on Tuesdays. Members of the museum get a 10 per cent discount.

Economist named to post

The Board of Governors has approved the appointment of Prof. Ronald Shearer of the Department of Economics as assistant to Vice-President Michael Shaw, who assumes new duties in the area of UBC's academic development.

UBC's president, Dr. Douglas Kenny, said the appointment of Prof. Shearer was an expansion of his current role in co-ordinating UBC's policy on Interior programs — proposals for UBC degree courses to be offered in B.C.'s Interior — and in serving as UBC's representative on the Interior University Programs Board, which reports to the Universities Council of B.C.

In his new duties, Vice-President Shaw will assume direct responsibility for authorizing changes in the complement of faculty members and

support staff. He will retain his existing responsibilities in providing advice on academic budget planning and will remain in charge of a wide range of academic services, including the Centre for Continuing Education, UBC libraries, the Computing Centre and Research Administration.

The president said that the University's present increased need for careful and co-ordinated academic planning was a direct result of limited operating grants, nearly stable overall



Shearer

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Pearse, Russell win faculty seats on Board

Prof. Peter Pearse of the Department of Economics, and Prof. R. D. "Don" Russell, head of the Department of Geophysics and Astronomy, have been elected by the faculty to serve three-year terms on the UBC Board of Governors.

In other election news, two persons have been nominated for the post of University chancellor, who sits on both the Board of Governors and the Senate.

The nominees are: Hon. J. V. Clyne, a 1923 graduate of UBC, a former member of the Supreme Court of B.C. and retired chairman and chief executive officer of MacMillan Bloedel; and Stan Persky, a teacher at Northwest Community College in Terrace, B.C., who hold two UBC degrees and was active in student campus activities in the late 1960s.

The election of the two faculty members to the Board is the first of a series that will result in a reconstituted Board of Governors and Senate in 1978. Non-faculty employed staff of the University will elect one member to the Board and students will elect two members.

The provincial government will appoint eight members to the Board and President Douglas Kenny will continue as a Board member as provided for under the Universities Act.

The reconstituted Board will hold its first meeting in February, while the reconstituted Senate will meet for the first time in April.

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Next Week, next year...

This the last issue of *UBC Reports* until January. So page 4, "Next Week at UBC," includes events happening on campus as far away as Jan. 7. You might want to keep this issue for reference.

We'll resume publication of "Next Week at UBC" on Jan. 4. Deadline for notices of events in the week of Jan. 8 to 14 will be Thursday, Dec. 29.

* * *

A reminder to all that the University, including the libraries, will be closed Monday, Dec. 26, Tuesday, Dec. 27, and Monday, Jan. 2. (Detailed library hours for other days are on page 4.)

Have a happy holiday season!



Garbage and pollution— a rich area for study

Dr. Bob Cameron

Old garbage dumps could be a source of energy in the future, according to a UBC environmental engineer.

Dr. Bob Cameron, an assistant professor of civil engineering in the Faculty of Applied Science, says garbage dump landfills generate methane, an inflammable gas that results from decaying organic matter.

Methane is now being "mined" in California from wells sunk deep into landfill projects, Dr. Cameron says, and extraction of the gas from old B.C. garbage dumps may become feasible in the future.

He's set up a series of small-scale test cells in his UBC laboratory to determine the circumstances that would lead to maximum methane production.

This is only one aspect of a continuing project by Dr. Cameron's research group, which has been studying the pollutants that find their way into surface and underground water when rain falls on garbage dumps and wood-waste landfill projects.

Five years ago the research team built 16 specially designed silos on UBC's south campus and filled them with various mixtures of garbage and hog fuel. The silos are subjected to simulated rainfall conditions and the leachates collected at the bottom of each tank are subjected to 40 different chemical tests in the laboratory.

The muddy-looking liquids collected from the silos are extremely complex chemically and contain high concentrations of heavy metals, which are hazardous to plant and animal life.

The research team has developed a number of computer programs that allow changes in the leachates to be studied over a period of time.

They have found that the addition of septic tank pumpings to the garbage-filled silos is beneficial in
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reducing contaminants, particularly heavy metals, in the leachates. Recycling the leachates back through the garbage has also been found to be effective in reducing contaminants.

The ultimate aim of the project is to eliminate the harmful effects of the contaminants that are constantly being leached out of landfill projects as the result of B.C.'s heavy rainfall.

Dr. Cameron said the results of the research are also useful to the B.C. Pollution Control Board, which sets guidelines for discharges from municipal waste treatment plants in B.C. The project has also proved to be a valuable training ground for graduate students, four of whom have based graduating theses on results obtained from the research.

Dr. Cameron is one of three

Applied Science researchers who were recently awarded grants totalling \$112,000 by the provincial government for continuing projects in the field of environmental engineering. The grant to Dr. Cameron's research team totalled \$57,000.

A second member of the civil engineering department, Dr. S. O. Russell, has received \$35,000 for continuing studies on water resources methodology, including flood forecasting and the calculation of environmental impact.

Dr. Axel Meisen, associate professor of chemical engineering, has been granted a total of \$20,000 for projects related to air pollution.

He will study methods designed to minimize the discharge of sulphur compounds from petroleum and natural gas refineries and to collect dust particles from industrial operations such as pulp mills and coal-drying plants.

Part of the grant to Dr. Meisen will also be used for computer analysis of air samples collected at monitoring stations in the east Kootenays and the Greater Vancouver Regional District.

Title change for vice-president

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enrolment, and increased requests for information from the Universities Council.

The increased academic planning and co-ordinating to be carried out falls primarily in Vice-President Shaw's areas of responsibility and constitutes an increase in that responsibility, President Kenny said.

He added that Prof. Shaw's present title will be changed from that of vice-president of University development to vice-president (academic development) to describe his responsibilities more clearly.

President Kenny said the responsibilities of other UBC vice-presidents will remain basically unchanged. In particular, he said, Prof. Erich Vogt, vice-president for faculty and student affairs, will continue to be responsible for faculty appointments to authorized positions and for recommendations for reappointment, tenure and promotion, and for his

present duties in the area of faculty and student affairs.

It is anticipated that the increase in Vice-President Shaw's responsibilities will lead to improved co-ordination between academic planning and new appointments, the president said.

Prof. Shearer is a native British Columbian who was born in Trail and educated in nearby Rossland. He received his Bachelor of Arts degree with first-class honors in economics from UBC in 1954. He holds the degrees of Master of Arts and Doctor of Philosophy from Ohio State University.

He joined the UBC faculty in 1963 and was head of the Department of Economics from 1973 until June 30, 1977. He is the author of numerous publications in the field of monetary theory and policy, foreign exchange and international finance. He will continue some teaching duties in the UBC economics department.



Prof. Don Russell



Prof. Peter Pearse

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The two new Board members elected by the faculty, Profs. Pearse and Russell, replace Prof. Gideon Rosenbluth, of the economics department, who was not a candidate in the election just completed, and Prof. Charles McDowell, head of the Department of Chemistry. Prof. McDowell was elected to the Board in September to fill the unexpired term of Dr. William Webber, who resigned following his appointment as dean of the Faculty of Medicine in July. Prof. McDowell was one of five faculty members nominated for the two faculty positions in the election just completed.

Prof. Peter Pearse is a UBC graduate who has been a member of faculty since 1962.

He is widely known as the chairman of a provincial royal commission on B.C. forest resources, which reported in 1976. Many of his findings are being incorporated in a new forest act. He was recently the recipient of the Canadian Forestry Achievement Award — the highest honor of the Canadian Forestry Institute — for his achievements as a forest economist.

Prof. Pearse is currently the co-ordinator of a 10-member team of experts in UBC's Department of Economics that is utilizing a Canada Council grant of more than \$800,000 for a five-year study of the management of the world's natural resources.

Prof. Don Russell joined the UBC faculty in 1958 and became head of the geophysics department in 1968. He is internationally known for his research on the early evolution of the earth and for his work on geophysical instrumentation.

He also heads the Council of Chairmen of Canadian Earth Science Departments. Prof. Russell recently

returned from a three-week visit to the People's Republic of China under the auspices of the federal Department of Energy, Mines and Resources. The Canadian delegation visited seven research institutes and two universities to observe and advise on research in geophysics.

More than 75,000 ballots will be distributed early in the new year to Convocation, made up of all graduates and the faculty of the University, for election of the chancellor.

Mr. J. V. Clyne, nominated by the UBC Alumni Association for the post, took part in the 1922 Great Trek by UBC students, which resulted in the provincial government appropriating funds to complete a number of buildings at Point Grey to house the University. He served three terms on the UBC Senate between 1951 and 1960 and in 1961 was the recipient of the Great Trekker Award from the UBC Alma Mater Society for his contributions to University and community life.

Stan Persky, the other nominee for chancellor, was a student at UBC from 1966 to 1973. He received the degrees of Bachelor and Master of Arts in anthropology and sociology, the subjects he teaches at Northwest Community College in Terrace. Talonbooks has recently published a book of poetry by Mr. Persky entitled *Wrestling the Angel*.

While a student at UBC, Mr. Persky served a number of terms on Senate as a representative of Graduate Students' Association and as a senator-at-large. He was president of the Arts Undergraduate Society and the GSA and served on students' council. He was also a teaching assistant in the Departments of Philosophy and History.

Work-study program encourages women students

If you're a woman student at UBC and have ever considered a career in forestry or engineering, then this is a good year to do something about it.

The Dean of Women's office with the help of the faculties of Forestry and Applied Science has developed a pilot work-study program for a limited number of students who would like to enter these two traditionally non-female disciplines but who really don't know that much about the problems and opportunities they'll encounter there.

Applications from women students eligible to enter first-year Forestry or Applied Science next fall are now being accepted by the Dean of Women's office. The students who are selected will then take part in a series of workshops during the spring months where they will learn how to write resumes and handle interviews and will meet with women working in forestry and engineering now. During the summer, the students will be employed by forestry and engineering companies who have offered to take part in this program, the first of its kind in Canada. UBC faculty members will monitor the students' work experience. In the fall the students should enter first-year Forestry or Applied Science with quite a bit more confidence and familiarity with the discipline than they would normally have, making it easier for them to break into a traditionally male-dominated field.

"This program is intended to encourage women who might not otherwise choose Applied Science or Forestry," explains Dr. Sheryl Bond of the Dean of Women's office. "We're offering it before they enter the faculties so that they have the opportunity to explore without feeling threatened or highly committed."

The idea for the program came from the deans of Applied Science and Forestry who wanted to encourage more women to enter their faculties.

The interest shown so far has been encouraging, Dr. Bond says. About 14 applications had been received from students as of last week and the response has been "generous and enthusiastic" from prospective employers, she says.

There are 61 women registered in undergraduate Applied Science programs this year, out of a total of 1,242. In Forestry, 34 women are registered as undergraduates out of a total of 294.

NEXT WEEK AT UBC

Notices must reach Information Services, Main Mall North Admin. Bldg., by mail, by 5 p.m. Thursday of week preceding publication of notice

This is the last issue of "Next Week at UBC" until January. This issue, therefore, includes events from Dec. 11 to Jan. 7. Publication will resume Jan. 4 to list events for the week of Jan. 8 to 14. Deadline for that issue is Thursday, Dec. 29, at 5 p.m.

SUNDAY, DEC. 11

3:00 p.m. **MUSEUM OF ANTHROPOLOGY.** Michael Goldberg and David Jacobs present *An Introduction to Chanukah, the Jewish Festival of Lights*. 6393 N.W. Marine Dr.

MONDAY, DEC. 12

9:00 a.m. **PEDIATRICS MEDIA SHOWS** presents *Pediatric Heart Surgery* until Friday, Dec. 16. Shows are available until 5 p.m. at the Health Centre for Children, 715 W. 12th Ave.

12:30 p.m. **CANCER RESEARCH SEMINAR.** Bob Molday, Biochemistry, UBC, on *Organization and Redistribution of Receptors on Cell Surfaces*. Library, Medical Sciences Building Block B.

3:30 p.m. **MANAGEMENT SCIENCE SEMINAR.** Prof. E. Koenigsberg, UBC and University of California at Berkeley, on *Digging a Better Hole: An Application of Dynamic Programming*. Room 312, Angus Building.

4:00 p.m. **ROYAL SOCIETY OF CANADA LECTURE.** Prof. Robert E. Folinsbee, University of Alberta and president, Royal Society, on *World Resources - From ALPH to ZIFF*. Lecture Hall 1, Woodward Building.

ASTRONOMY AND SPACE SCIENCE SEMINAR. R. H. Poekert, Dominion Astrophysical Observatory, Victoria, on *Polarization of Spectral Lines with Emphasis on Be Stars*. Room 318, Hennings Building.

BIOCHEMICAL DISCUSSION GROUP. Dr. Earl Davie, University of Washington, on *Role of Serine Proteases in Blood Coagulation*. Lecture Hall 3, Woodward Building.

8:00 p.m. **IMMUNOLOGY SEMINAR.** Dr. R. C. Fitzsimmons, Poultry Science, UBC, on *Generation of Antibody Diversity: A New Direction*. Music Room, Faculty Club.

TUESDAY, DEC. 13

10:30 a.m. **MARKETING RESEARCH SEMINAR.** Prof. Pierre Windal, Université de Sherbrooke, Quebec, on *Some Analytical Approaches to the Study of Consumer Brand Switching Behavior*. Penthouse, Angus Building.

12 noon **DEVELOPMENTAL MEDICINE SEMINAR.** Dr. S. Segal and D. R. Hale on *Neonatal Thermodynamics: Unidentified vs. Centripetal Irradiation*. Room 15, 811 W. 10th Ave.

3:30 p.m. **OCEANOGRAPHY SEMINAR.** Ian Young, Geological Sciences, UBC, on *Geological Development of the Western Margin of the Queen Charlotte Basin*. Room 1465, Biological Sciences Building.

9:00 p.m. **UBC PUBLIC AFFAIRS.** Host Gerald Savory, Centre for Continuing Education, discusses *The Canadian Unity Issue: The Constitution and the Quebec Independence Movement* with Dr. Murray Green, History, UBC. Channel 10, Vancouver Cablevision.

WEDNESDAY, DEC. 14

12 noon **PHARMACOLOGY SEMINAR.** Dr. James M. Wright, Pharmacology, UBC, on *Isoniazid Hepatotoxicity*. Room 114, Medical Sciences Building Block C.

8:00 p.m. **SENATE MEETING.** Interested members of the University community welcome. Tickets available from Frances Medley, 228-2951. Board and Senate Room, Old Administration Building.

THURSDAY, DEC. 15

9:00 a.m. **MEDICAL GRAND ROUND.** Dr. David I. McLean, Dermatology, VGH, on *Melanoma*. Lecture Hall B, Vancouver General Hospital.

12:30 p.m. **PHARMACEUTICAL SCIENCES SEMINAR.** Dr. G. H. Hirsch, Chief of Drug Laboratories, Health and Welfare Canada, on *Functional Correlates of Renal Toxicity*. Room 363, Cunningham Building.

2:30 p.m. **MARKETING RESEARCH SEMINAR.** Prof. J. Johansson, School of Business, University of Washington, on *Analyzing Panel Data as a Time Series: A Box Jenkins' Analysis of Purchase Sequences*. Penthouse, Angus Building.

3:30 p.m. **OCEANOGRAPHY SEMINAR.** Dr. M. Gilmartin, Australian Institute of Marine Science, on *Marine Science and Education in Australia*. Room 1465, Biological Sciences Building.

FRIDAY, DEC. 16

9:00 a.m. **PEDIATRICS GRAND ROUND.** Dr. W. C. Torch, Pediatrics, VGH, on *The Role of Hippocampal and Limbic Degeneration in Neurological Diseases*. Lecture Hall B, VGH.

SUNDAY, DEC. 18

3:00 p.m. **MUSEUM OF ANTHROPOLOGY.** Cortland Hultberg directs the University Chamber Singers in a special program in the museum's Great Hall. 6393 N.W. Marine Dr.

MONDAY, DEC. 19

9:00 a.m. **PEDIATRICS MEDIA SHOWS.** *Routine Visual Examination* will be available from 9 a.m. to 5 p.m. until Friday, Dec. 23. Health Centre for Children, 715 W. 12th Ave.

12:30 p.m. **CANCER RESEARCH SEMINAR.** Marty McLoughlin, Urology, VGH, on *Measurement of the Androgen Receptors in Human Prostatic Cancer*. Library, Medical Sciences Building Block B.

MONDAY, DEC. 26

TUESDAY, DEC. 27

MONDAY, JAN. 1

University closed

WEDNESDAY, JAN. 4

3:30 p.m. **PSYCHOLOGY COLLOQUIUM.** Dr. Anne Treisman, Psychology, Oxford University, on *Attention and Stimulus Integration*. Room 212, Buchanan Building.

THURSDAY, JAN. 5

9:00 a.m. **MEDICAL GRAND ROUND.** Dr. Vincent P. Sweeney, Neurology, VGH, on *Effects of Carcinoma*. Lecture Hall B, Vancouver General Hospital.

12:30 p.m. **GREEN VISITING PROFESSOR.** Sir Alfred Ayer, Oxford, on *Some Problems About Perception*. Room 106, Buchanan Building.

3:30 p.m. **PSYCHOLOGY COLLOQUIUM.** Dr. Daniel Kahneman, Psychology, Hebrew University, on *Judgment and Decision-Making Under Uncertainty*. Room 212, Buchanan Building.

SATURDAY, JAN. 7

8:00 p.m. **VOLLEYBALL.** Thunderette invitational tournament continues all day until 11 p.m. War Memorial Gymnasium.

8:15 p.m. **VANCOUVER INSTITUTE.** Sir Alfred Ayer, Oxford University, on *What Has Become of Philosophy?* Lecture Hall 2, Woodward Building.

CHRISTMAS LIBRARY HOURS

Sedgewick and Main Library hours are as follows:

Dec. 20: 8 a.m. to 5 p.m.

Dec. 21 to 23: 9 a.m. to 5 p.m.

Dec. 24 to 27: CLOSED

Dec. 28 to 30: 9 a.m. to 5 p.m.

Dec. 31 to Jan. 2: CLOSED

Jan. 3: Normal hours resume

Hours for other libraries vary slightly. Check with information desks.