

UBC Reports

Volume 29, Number 11

June 15, 1983



Touching moment during UBC's 1983 Congregation ceremony was the acceptance by seven-year-old George Manuel, Jr., of the honorary Doctor of Laws degree conferred on his father, a leading spokesman on behalf of native Indians for more than 40 years. Mr. Manuel was unable to attend the ceremony because of illness. Escorting the young Manuel off the Congregation platform is President Douglas Kenny, who was himself honored on the final day of the three-day Congregation. Chancellor J.V. Clyne conferred the honorary degree of Doctor of Laws on Dr. Kenny, who steps down as president of UBC on June 30.

Parking fees rise slightly

Parking fees on the UBC campus will be slightly higher in 1983-84 for faculty, staff and business users and for students who want space in preferred lots.

UBC's Board of Governors, which approved the increases at its May meeting, was told that the changes are consistent with the practice of recovering the cost of patrolling and maintaining campus parking facilities.

Here are the new parking rates (1982-83

rates in brackets): Faculty, staff or business — \$114 (\$108); Music Building covered parking — \$186 (\$180); preferred student parking — \$45 (\$42); maximum per-day charge in parkades and visitor lots — \$3.50 (\$3).

Unchanged are annual rates for parking in the Health Sciences Parkade (\$132), general B Lot decal (\$12), and the hourly rate charged in parkades, visitor lots and parking meters (50 cents).

Long-service faculty given opportunity to reduce workload

UBC's Board of Governors has approved a scheme which provides for the reduction of a faculty member's workload and salary while maintaining full pension and other benefits.

The scheme, which has the support of UBC's Faculty Association, is available to all members of the association bargaining unit, including professional librarians and program directors in the Centre for Continuing Education.

To be eligible, bargaining-unit members must have tenure, be at least 58 years old in the year in which application for the scheme is made, and have at least 15 years continuous service at the University.

Under the scheme, a faculty member's salary and workload may be reduced by as much as 50 per cent, but even greater reductions are possible in individual cases. (The full text of the document approved by the Board at its May meeting appears on Page 3 of this edition of *UBC Reports*).

While faculty member's contributions to pension and other benefit programs will be based on the actual salary paid, the University's contributions on behalf of the faculty member to pension and other benefit programs will be based on the nominal or shadow salary, i.e., the salary

that would have been paid to the faculty member had he continued in a full-time appointment.

Under the scheme, the faculty member's actual salary, and the nominal or shadow salary, will be increased annually in accordance with the provisions of the collective agreements between the University and the Faculty Association.

The reduced-workload scheme has been under development by the University Administration since February, 1982.

Prof. Robert Smith, UBC's associate vice-president academic, said similar schemes are in operation in a number of Canadian and U.S. universities.

He said there were a number of advantages for the faculty member and the University under such a scheme.

"One of the advantages for faculty members," he said, "is to assist them in the transition to retirement. A number of UBC faculty members have expressed interest in a plan along these lines."

From the point of view of the University, he said, the reduced-workload scheme will enable some flexibility to be introduced into staffing and should mean ongoing savings in the University's total salary bill.

Don Russell appointed associate V-P academic

Prof. R. Doncaster Russell, associate dean of the Faculty of Science and a faculty member for 24 years, will become UBC's associate vice-president academic on July 1.

He will succeed Prof. R.H.T. Smith, who moves up to become UBC's vice-president academic on the same date.

Prof. Russell's appointment was approved at the June meeting of the Board of Governors on the recommendation of Dr. K. George Pedersen, UBC's president-designate.

In addition to a distinguished teaching and research career, Prof. Russell has had extensive experience in UBC's administrative affairs as a member of both the UBC Board of Governors (1978-81) and the Senate (1967-68), as the first head of the Department of Geophysics and Astronomy (1968-1979), and as associate dean of the Faculty of Science since 1980.

Prof. Russell is a graduate of the University of Toronto, where he was awarded the degrees of Bachelor and Master of Arts and Doctor of Philosophy. He taught at Toronto before joining the UBC faculty in 1958 as an associate professor of physics. He has been at UBC continuously since that time, except for the 1962-63 academic year, when he returned to Toronto as professor of physics.

Prof. Russell has served on an extensive list of national and international bodies associated with the earth sciences. He is the author or co-author of some 100 scientific

papers, many of them related to his research specialties, the age and early evolution of the earth and geophysical instrumentation. He was elected to fellowship in the Royal Society of Canada, this country's most prestigious academic organization, in 1966.

He has also been active as a member of

Please turn to Page 2
See RUSSELL



Don Russell

Safety Corner

The following memo is from Geoffrey Crampton of the President's Advisory Committee on Safety, Security and Fire Prevention.

In recent discussions with representatives from the University Endowment Lands Fire Department, obstructed corridors were identified as a fire safety concern at UBC.

Over the past few years, corridors in UBC buildings have been used for storing a number of items, including refrigerators and electrical appliances. These

obstructions not only restrict evacuation routes, but can also be sources of fire.

Fire prevention officers who inspect UBC buildings feel concrete action is necessary on our part to comply with the Fire Services Act, which requires that corridors be kept free from obstructions.

We ask you to review the practices in your area with regard to the use of corridors and to take action to improve our performance without formal instructions from the Fire Department.

Thank you for your assistance.

32 of 46 GREAT awards won by grad students from UBC

Forty-six university students have received awards worth \$11,500 each in the Science Council of British Columbia's 1983 GREAT program.

GREAT, which stands for Graduate Research, Engineering And Technology, was established to encourage post-graduate students to conduct their thesis research in cooperation with an off-campus business, industry or organization. This is done so that the students will gain practical experience in the application of research as they progress towards a master's or doctoral degree. The hope is that their work may help the off-campus firms to find solutions to some of their scientific or technological problems.

The students will be conducting research in areas as diverse as forestry and medical technology. Typical is the award to Neil Cox, a student in the UBC Department of Electrical Engineering. He'll be spending part of his time at the Vancouver General Hospital working on a research project involving the use of automated detection techniques.

Thirty-two of this year's GREAT winners attend the University of British Columbia. Nine are at the University of Victoria and five at Simon Fraser University.

All British Columbia companies are eligible to participate in the GREAT program and so is every student in post-

graduate studies at one of the three provincial universities, provided the students are Canadians or landed immigrants.

Here are the other UBC award winners:

William Dochlan, botany/oceanography; Barry Shell, bio-resource engineering; Francisco Salgado, civil engineering; Philip Comeau, forestry; Ken De Graaf, metallurgical engineering; Wilf Luedke, animal resource ecology; Bruce Lehmann, mechanical engineering; Sandra O'Neill, animal resource ecology; Ken Ling-Man Chan, electrical engineering; Donald Gillespie, civil engineering; Carleen Gibson, animal science; Robert Stephenson, bio-resource engineering; Richard Kabzems, forestry; James Hackett, forestry; Stephen Taylor, forestry; Nancy Richardson, animal science; R. Raudsepp, metallurgical engineering; Clinton Fong, metallurgical engineering; Reed Radley, plant science; William Price, soil science; B.Y.P. Fung, clinical engineering; Craig Forster, geological sciences; John Aota, metallurgy; Brian Chapel, geophysics and astronomy; Jim Clark, electrical engineering; Hae-Young Shin, oceanography; Monique Roussy, metallurgical engineering; Al Banner, forestry; Wayne Temple, soil science; Jennifer Sherlock, plant science; Tom Kessler, oceanography.

Cavers memorial fund set up

Dr. Stuart D. Cavers, a member of the Department of Chemical Engineering at UBC for 27 years, died on May 27 at the age of 63.

A native of Vancouver, Prof. Cavers graduated from UBC in 1942 with honors in chemical engineering. After service with the Canadian army during the Second

World War, he returned to UBC to earn a Master of Applied Science degree in chemical engineering in 1946. He was awarded the degree of Doctor of Philosophy by the California Institute of Technology in 1951.

Prof. Cavers taught for five years at the University of Saskatchewan before joining the UBC chemical engineering department on a full-time basis in 1956.

In addition to his teaching and research, Prof. Cavers took an active role in University governance as a member of Senate on two occasions and as a member of a number of Faculty Association committees. He was also an active member of the Chemical Institute of Canada, which elected him a fellow, and the Association of Professional Engineers of B.C.

In his capacity as a researcher, Prof. Cavers was the author or co-author of nearly 50 papers in the fields of heat, mass and momentum transfer, liquid diffusional operations and the flotation of oxide minerals. He also kept close track of UBC's chemical engineering graduates and wrote a number of papers on employment prospects in the 1960's and 1970's.

Dr. Cavers is survived by his wife, Geraldine, and four children. In lieu of flowers at a June 1 memorial service, friends and colleagues were asked to contribute to the Stuart D. Cavers Memorial Scholarship Fund.

Russell

Continued from Page 1

a number of key University committees, including the Senior Appointments Committee, and as a member of committees in the Faculties of Science and of Graduate Studies.

He has also been active in UBC's Faculty Association as a member and chairman of its salary and membership committees. He served on the association executive as treasurer in 1968-69.

Also approved by the Board on Dr. Pedersen's recommendation:

The appointment of Allen Baxter, associate vice-president and treasurer, as acting vice-president, finance, from July 1; and

Extension of the appointment of Dean Peter Larkin as head of the Faculty of Graduate Studies for one year from July 1.

Library space needs seen as urgent

UBC's Board of Governors voted last week to reaffirm the urgency of capital projects submitted in June of last year to the Universities Council of B.C.

As part of the same resolution, the Board voted to "again call attention to the special importance of developing the library system of the province" as set out in a 1981 proposal from UBC, and agreed to add the space needs of the School of Physical Education and Recreation and for facilities for recreation and athletics to the 1984-89 capital development plan.

The motions passed by the Board of Governors were virtually identical to recommendations approved by UBC's Senate when it considered a report from its Academic Building Needs Committee in May.

Senate voted to reaffirm academic building priorities established in 1981 and asked that a plan to expand the UBC library system be identified as "an urgent, special need."

Senate also voted to add the School of Physical Education and Recreation to a list of priorities drawn up in 1981. This list recommended construction of new space for chemistry/physics, agricultural sciences/forestry, the clinical departments of medicine, dentistry, chemical engineering, biochemistry, physiology, geophysics/astronomy and a studio resources building for the Faculty of Arts.

The Senate Academic Building Needs Committee also recommended that new temporary/portable buildings be used on a limited scale on campus in order to meet "special and urgent needs for academic space."

The committee acknowledges that this recommendation represents an important change in policy because a previous academic building needs committee took

the position that no new "temporary" structures should be located on campus until considerable progress had been made in removing or upgrading existing temporary building and huts.

"However," the committee adds, "new permanent academic space is only acquired slowly at the best of times, and at the present time its acquisition is almost at a standstill. Hence the committee believes that some provision should exist for the use of temporary or portable buildings as the only effective means of solving special and acute space needs on a dynamic and changing campus."

'Learneds' attract 5,500

More than 5,500 academics from across Canada registered with the Learned Societies Conference held on campus from May 29 to June 8, some 500 more than expected.

As a result, the University is expected to break even on the actual cost of the conference, quite apart from income received by Food Services and the Conference Centre.

Classics professor James Russell, co-ordinator of the conference, said it might be several months before final figures are known.

"But I'm hoping that we'll come out more or less even," he said.

There were 68 separate organizations holding meetings during the conference, some with almost 500 delegates and others with fewer than 20.

About 4,000 of the delegates stayed on campus, for an average of four nights, giving the Conference Centre almost 16,000 bed nights at an average \$22.

Another beneficiary was the Faculty Club, which enjoyed a "tidal wave" of additional business, manager Ed Puls said.

Mr. Puls said sales for the first week of June were almost three times as high as for the corresponding week of 1982.

He said the extra business could put the club in the black for its fiscal year, which ends June 30.

UBC car fastest, but finishes 5th

The UBC Paragon was easily the fastest car in the recent Shell Fuelathon, but it wasn't the most economical.

The University of Saskatchewan's No. 1 car placed first in the universities division, averaging 1233 miles per hour.

UBC's Paragon, a creation of six mechanical engineering students, averaged 677 mpg — in fifth place behind two Saskatchewan cars, the University of Sherbrooke and Ryerson Polytechnical Institute.

A professionally-designed vehicle entered by Shell was the outright winner, averaging 1457 miles per hour.

Prof. Bob Evans of mechanical engineering said the Paragon's 677 mpg was only about half of the car's potential. He expected UBC to enter again next year. The cars had to average 25 kmh, and Prof. Evans said the UBC vehicle was much faster than that, which increased fuel consumption.

All of the vehicles were fueled by gasoline.

The three-wheeled Paragon is powered by a model airplane motor, displacing only 10cc.

It was designed and built by Ian Chang, Niels Anthonson, David Cheng, Gerald Schwab, Harry Dykstra and Doug Gultzmann.

Elections soon for Senate and Board

UBC's Senate has set in motion the machinery that will lead to triennial elections to the Board of Governors and Senate, the two main governing bodies of the University.

The machinery approved by Senate at its May meeting calls for the election of two members of faculty and one non-faculty full-time employee of the University to the Board of Governors; the election of the chancellor, who sits on both the Board and Senate; and the election to Senate of Convocation members, faculty representatives, faculty members at large and a representative of UBC's full-time professional librarians.

Those elected to the Board of Governors will take office on Feb. 1, 1984, and those elected to Senate will take office on Sept. 1, 1984. The chancellor will take office on June 25, 1984, and the installation ceremony will take place on June 1, 1984, during UBC's annual spring Congregation.

Four UBC students get key awards

Four students from UBC have been awarded Special MA Scholarships by the Social Sciences and Humanities Research Council, worth \$10,800 each.

Here are the winners, with their preferred choice of university for MA studies:

Christopher Laurence Bongie, Toronto, comparative literature; Theodore Mark Horbulyk, Queen's, economics; John Sutton Lutz, Victoria, history; Deidre Shauna Lynch, UBC, English literature.

Wood scientist appointed dean of Forestry

A versatile wood scientist who has combined a university career with research on new wood-based products for industry has been named dean of the Faculty of Forestry at the University of B.C.

Prof. Robert W. Kennedy, currently head of the Department of Harvesting and Wood Science in the UBC forestry faculty, will take over as dean on July 1. He succeeds Dr. Joseph Gardner, dean of the faculty since 1965, who steps down on June 30 but will continue as a full professor in forestry.

Prof. Kennedy, 51, was for 13 years associated with the federal government's Western Forest Products Laboratory (now the Western Laboratory for the Forintek Canada Corp.) on the UBC campus, where he was director from 1975 to 1979.

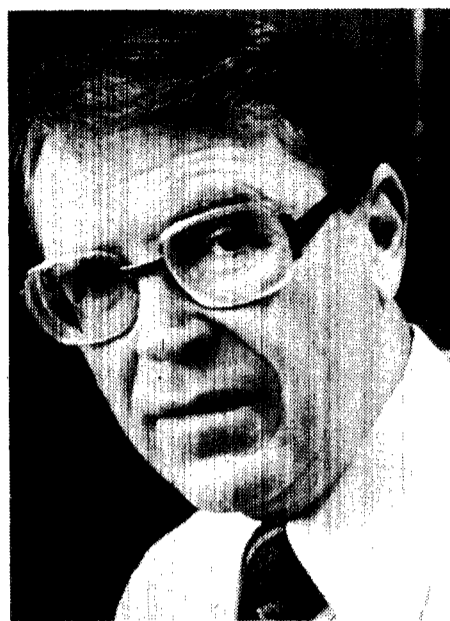
He joined the UBC forestry faculty in 1979. At UBC he has been responsible for core courses in wood science required of all forestry students, development of new forestry courses, and teaching and direction of graduate students and liaison

with the Forintek Canada Corp., which makes its facilities available to the UBC forestry faculty for teaching and research.

Prof. Kennedy's association with the UBC forestry faculty began following his graduation from the State University of New York, where he received his Bachelor of Science degree in 1953. While at UBC, he was awarded the degree of Master of Forestry in 1955 and served as an instructor in the forestry faculty from 1955 to 1961.

Following additional graduate work at Yale University, where he was awarded the degree of Doctor of Philosophy in 1962, Prof. Kennedy was with the faculty of forestry at the University of Toronto from 1962 until 1966, when he returned to B.C. to join the Western Forest Products Laboratory at UBC.

At the laboratory, he was primarily responsible for technology transfer and client relationships. Several laboratory developments were translated to industrial use and client relations maintained



Robert Kennedy

through a series of industrial advisory committees.

Throughout his career, Prof. Kennedy's research interests have centred on the more efficient processing of wood and the development of wood-based products based on the material properties of wood.

In 1971, Prof. Kennedy was named a fellow of the International Academy of Wood Science. The academy has 100 fellows around the world and only five are Canadians.

Prof. Kennedy has also been active in a wide range of national and international professional and forest-industry organizations, including the Forest Products Research Society, the International Union of Forest Research Organizations, the Canadian Forestry Association and the Canadian Institute of Forestry.

He is currently one of two members of the Faculty of Forestry who serves on UBC's Senate.



Sheila Egoff

Sheila Egoff honored by librarians

Canadian and American library organizations are honoring Prof. Sheila Egoff, an internationally recognized authority on children's literature who retires from UBC this year after a 21-year career of teaching and research in the School of Librarianship.

She will be the first educator to receive the "Outstanding Service to Librarianship Award" of the Canadian Library Association. The University of Utah's education department and the Salt Lake Country Library System have named her the winner of the Elliot Landau Award for a college educator who has stimulated a love of children's literature. She was nominated for the latter award by her own students.

Last year Prof. Egoff was the recipient of the American Library Association's Ralph Shaw Award for the most outstanding contribution to library literature in 1982 for her latest book, *Thursday's Child*.

On Sept. 24 the UBC School of Librarianship and its alumni division will co-sponsor a conference entitled "The Republic of Childhood: A Conference on Children's Literature, Criticism and Librarianship in Honor of Sheila Egoff." The one-day conference will be held at The Inn at Denman Place.

Report on University Act approved

A 52-page report from a six-member, ad hoc committee of Senate on amendments to the University Act was approved virtually without debate at Senate's May meeting.

The committee, which began its work in January, made 12 recommendations for amendments to the act, the provincial legislation which outlines the powers and duties of the Board of Governors, the Senate and senior university officials and provides for the Universities Council of B.C.

Prof. M.A. Hickling of UBC's law faculty, who chaired the committee, said that no strong case had been made for a radical alteration or restructuring of the act. "The general impression seemed to be that the structure was basically sound," he told Senate.

Prof. Hickling said the committee felt there were a number of matters on which it had inadequate information to enable it to make recommendations for change. These included the operations of the Universities Council and the relationship between the University Act and the act which provided for colleges and institutes.

He said the committee concurred with a recommendation from the UBC Committee of Deans that a study of the operations of UCBC should be undertaken now that it has been in existence for a decade.

In addition, he told Senate, the committee is satisfied that a case can be made for a full-scale review of the system of post-secondary education in B.C. and the relations between the various bodies that have evolved.

The committee was unanimous in its recommendations with one caveat relating to the composition of student representation on Senate, Prof. Hickling said. He recalled that Senate had passed a motion that had the effect of splitting student representation between full and part-time students without increasing the

number of students on Senate.

He said the student representative on the ad hoc committee (Ms. Lisa Hebert) would have preferred a recommendation that provided that representatives of part-time students should be in addition to the existing student numbers. The committee could not accept this, he added.

In the ensuing discussion, Senate amended only one of the committee's

recommendations. It eliminated from Recommendation 6 a suggestion that a fee be charged in order that a person be placed on a list of voters in University elections.

Senate rejected a suggestion that the recommendations made by the ad hoc committee be considered one by one and approved the committee's report in an omnibus motion.

REDUCED WORKLOAD PLAN

1. **Purpose.** The purpose of the scheme is to provide for the reduction of a faculty member's* salary and workload normally by as much as 50 per cent (but with the possibility of a greater reduction in individual cases) while maintaining full pension and other appropriate benefits entitlement (group life, disability, medical insurance, dental, etc.).

2. **Eligibility.** Where it is to the advantage of the University and to the faculty member, a reduced workload appointment may be considered for faculty members who hold appointments without term, who are at least 58 years of age in the year in which application is made, and who have had at least 15 years continuous full-time service at UBC.

3. **Components.** (a) The reduction in responsibilities of the faculty member normally will involve all three areas proportionately (teaching, scholarly activity, and service to the University and the community), but with the precise allocation to be approved by the president on the recommendation of the dean after discussion between the faculty member and the head/director (dean). (b) The faculty member's salary is reduced by the same proportion as the reduction in the appointment responsibility. (c) The faculty member's contributions to pension and other benefit programs are based on the actual salary paid. (d) The University's contributions on behalf of the faculty member to pension and other benefit programs are based on the faculty member's nominal or shadow salary (the salary that would have been paid to the faculty member had he continued in a full-time appointment). In addition, the University contributes the difference between the faculty member's contributions on the actual salary and what the faculty member would have contributed on the nominal or shadow salary. (e) The faculty member's actual salary, and the nominal or shadow salary, will be increased annually according to the provisions of the collective agreements concluded with the Faculty Association.

4. **Term.** Reduced workload

appointments concluded under the above provisions shall continue to normal retirement age.

5. **Implementation.** (a) The precise terms of a reduced workload appointment within the guidelines above, are to be the subject of discussions with the head or director and the dean. (b) All reduced workload appointments are to be recommended by the dean of the faculty, and approved by the vice-president academic and provost for recommendation to the president and submission to the Board of Governors.

*Here and elsewhere 'faculty member' shall be read to include all members of the bargaining unit and he/his to mean she/hers where appropriate.

Ocean Studies Council formed

UBC's Senate has approved the formation of an Ocean Studies Council to promote interdisciplinary research on the oceans and to facilitate contacts between UBC scholars and universities, government bodies, international agencies and other interested off-campus groups.

Dean Peter Larkin, head of the Faculty of Graduate Studies, said the need for such an organization had been made pressing by the growth of research activities arising from the impact of the third United Nations Conference on the Law of the Sea and the widespread extension of maritime jurisdiction by states out to 200 miles from their coasts.

The council will be made up of representatives from a wide range of UBC faculties and departments, including Commerce, Forestry, Law, Economics, Geography, Political Science, Asian Research and International Relations.

While the council will have no role in teaching or the development of curricula, one of its main functions will be to develop interdisciplinary faculty and graduate-student seminars on ocean topics.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of July 10 and 17, material must be submitted not later than 4 p.m. on Thursday, June 30. Send notices to Information Services, 6328 Memorial Road. (Old Administration Building). For further information, call 228-3131.

MONDAY, JUNE 20

Cancer Research Seminar.

Dietary Fat in Relation to Carcinogenesis. Dr. Kenneth Carroll, Biochemistry, University of Western Ontario. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

Hong Kong Today.

Presented by Knowledge Network in association with the UBC Museum of Anthropology. Curator Elizabeth Johnson looks at recent changes in Hong Kong. Her discussion and slides focus on the persistence of traditional village rituals within an urban context. Cable 18. 9:30 p.m.

TUESDAY, JUNE 21

Women Coping With Campus.

A one-session program for women planning to enter UBC this fall after a break of five or more years in their education. Women can take either the daytime or evening session. The program is free, but registration is required. Sponsored by the Women Students' Office, 228-2415. Room 223, Brock Hall. 3 p.m. and 9 p.m.

THURSDAY, JUNE 23

UBC Toastmasters Seminar.

The Use of Overhead Projectors to Improve Your Business and Educational Presentations. L. Garner, 3M Canada. Cost is \$3. Tickets are limited. For reservations contact Allan Hall at 228-6294 or 521-9207. Faculty Club. 7:15 p.m.

FRIDAY, JUNE 24

Mass Spectrometry Discussion Group.

A Review of Liquid Chromatography — mass spectrometry papers presented at the 1983 ASMS Conference. Dr. G.K. Eigendorf, Chemistry, UBC. Room 225, Chemistry Building. 2:30 p.m.

Chemistry Seminar.

The Peculiar Optical Properties of Liquid Crystals and their Use in Displays. Dr. Sven Lagerwall, Physics, Goteburg, Sweden. Room 160, Chemistry Building. 2:30 p.m.

Faculty Club Barbecue.

Cook-your-own-steak and salmon barbecue. For reservations, call 228-2708. Faculty Club. 5:30 p.m.

MONDAY, JUNE 27

Membrane Symposium.

Fundamental Problems and Questions Concerning Biological and Model Membranes. Room 318, Hennings Building. 10 a.m. For further information, please call Myer Bloom or Alex MacKay at 228-3898.

Terry Fox Visiting Professor Seminar.

Interactions of the Androgen Receptor Nuclei. Prof. Frank S. French, Laboratories for Reproductive Biology, University of North Carolina at Chapel Hill. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

WEDNESDAY, JUNE 29

Pacific Rim Seminar.

Western Pacific-Canada Energy Trade. Peter Nemetz, Commerce, UBC. Room 604, Asian Centre. 4:30 p.m.

THURSDAY, JUNE 30

Biomembranes and Biochemical Discussion Groups.

Cloning and Characterization of TolC, a Minor Outer Membrane Protein of *E. coli* K-12 with Major Effects on Outer Membrane Properties. Dr. Peter Reeves, Microbiology and Immunology, University of Adelaide. Room 4210, Block A, Medical Sciences Building. 4 p.m.

FRIDAY, JULY 8

Faculty Club Wine Tasting and Barbecue.

Wine tasting from 5:30 to 6:30 p.m. and barbecue from 6:30 to 8 p.m. For reservations, call 228-2708. Faculty Club.

Notices . . .

Geology Museum

The Geology Museum, located in the Geological Sciences Building, is open from 8:30 a.m. to 4:30 p.m. Monday through Friday.

Botanical Garden Hours

The Japanese Nitobe Garden is open daily from 10 a.m. to half an hour before sunset. The Main Botanical Garden, featuring the B.C. Native, Alpine, Physick and new Food gardens, is also open during daylight hours.

Dairy Barn Hours

Visitors to the campus are invited to tour one of the most advanced facilities in Canada for dairy cattle research and teaching. Milking time is 2:30 p.m. For tour reservations, call 228-4593.

TRIUMF Tours

Regular tours of TRIUMF, the world's largest cyclotron, are held Monday through Friday at 11 a.m. and 2 p.m. Each tour lasts about an hour. Visitors are asked to call 228-4711 at least 24 hours in advance and to meet about 10 minutes before the tour in the TRIUMF reception, 4004 Wesbrook Mall.

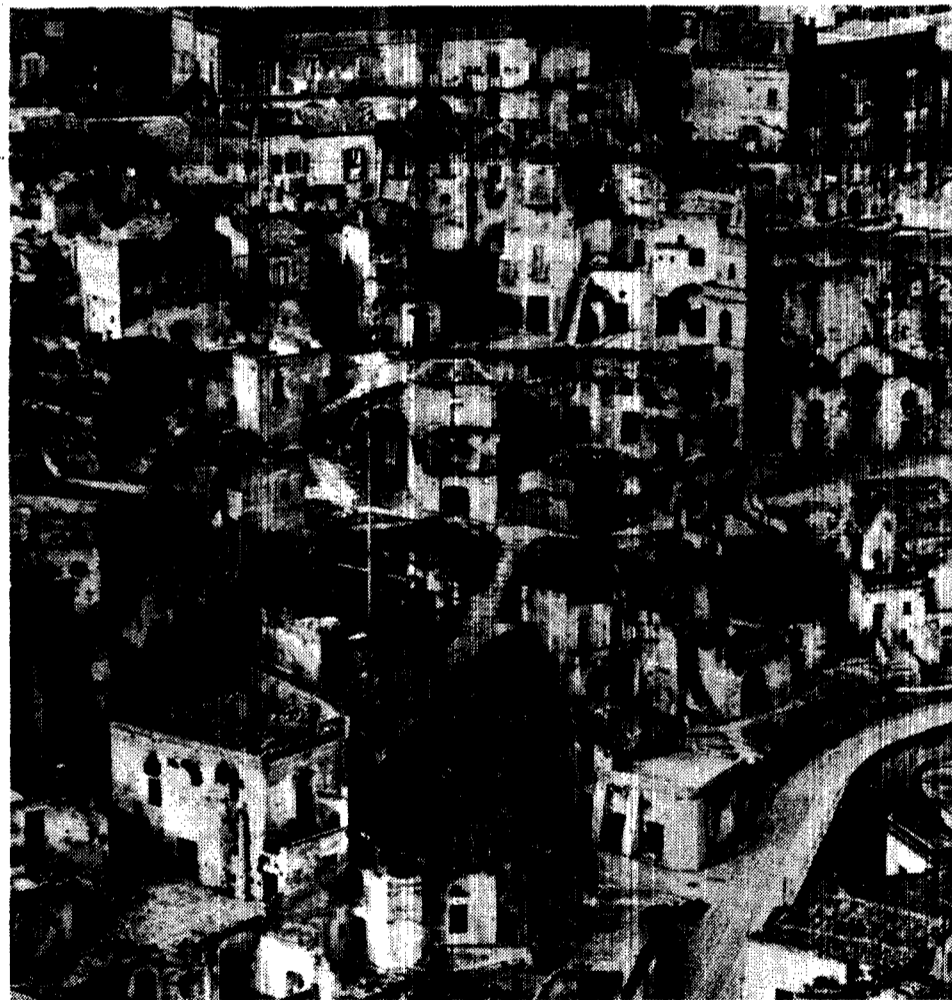
Museum of Anthropology

Exhibits: Blood from Stone: Making and Using Tools in Prehistoric British Columbia; The Magic Masks in Sri Lanka; Krishna Worship at Nathdwara; Puppets of Rajasthan; Show and Tell: The Story of a Big Mac Box; When Kings were Heroes; Early Kwagiutl Watercolors and Drawings, all continue until September. The Copper That Came From Heaven: The Dance Dramas of the Kwakwaka'wakw, continues until April, 1984.

Guided Gallery Walks: Tuesdays and Thursdays at 2:30 p.m. through June. **Summer Programs for Children, 8-13 Years Old:** (1:30 to 3 p.m., \$30 per session). Once again the museum is pleased to offer a series of Northwest Coast Indian art programs for children. In addition, an innovative program on Japanese fan painting will be offered. July 11-15 and July 18-22, Northwest Coast drawing for beginning students. July 25-29, Northwest Coast drawing for advanced students. Aug. 8-12, Japanese fan painting: An introduction to the history, usage, and painting of fans in Japan.

Stage Campus '83

Stage Campus '83 presents Peter Weiss' *The Persecution and Assassination of Jean-Paul Marat as Performed by the Inmates of the Asylum of Charenton under the Direction of Marquis De Sade*, June 15 to 25. Tickets are \$5; \$4 for students and Wednesdays are two-for-one nights. For reservations, call 228-2678 or drop by Room 207 of the Frederic Wood Theatre Building.



The Stones of Matera, a photographic study of an ancient dwelling site by Augusto Viggiano, continues at the UBC Fine Arts Gallery until Aug. 26. The gallery, located in the basement of the Main Library, is open from 10 a.m. to 4 p.m. Monday through Friday.

French Immersion Bursaries

Bursaries may be available to study French at UBC from July 4 to Aug. 12 (Residential Immersion Program). Candidates must be Canadian or Landed-Immigrant, over 18, and must have been full-time students in 1982-83. For more information, phone Francis Andrew, UBC summer language bursary program, at 228-5606.

Correspondence Courses

The new issue of the Guided Independent Study calendar supplement 1983/1984 is now available. If you would like a copy, please contact Guided Independent Study, 228-4233, or drop by the Centre for Continuing Education, Room 303, Duke Hall.

Reading, Writing and Study Skills

Improve your reading speed and comprehension, composition, vocabulary and study skills in the Basic Skills course. Basic Skills is one of eight non-credit courses the UBC Reading, Writing and Study Skills Centre is offering this summer. Classes begin the week of July 4. For registration information, phone 228-2181, local 245.

Intensive French, Spanish and Japanese for Adults

Intensive programs are being offered in French, Spanish and Japanese, including insights into the societies and cultures where these languages are spoken. Three-week morning programs begin: June 20 (French) and July 11 (French, Spanish and Japanese). For further information, please call language programs and services at 228-2181, local 227.

Library Tours

Tours of Main and Sedgewick Libraries will be given Tuesday, July 5 through Friday, July 8, at 10:30 a.m., 1:30 p.m. and 4 p.m. Tours meet in the Main Library entrance and last about 45 minutes.

Readers Needed

Crane Library for the Blind needs a number of volunteer readers to help prepare a recording of the textbook *Mathematics for Elementary School Teachers* for use by visually impaired students at SFU. Readers must have a good working knowledge of mathematics and be able to interpret graphic representations, pictures and symbols in addition to reading the text. For more information, call Lynn Upton at 228-6111.

Tennis School

UBC's Community Sports Services is offering tennis instruction May through September. Instruction is available at all levels. For more information, call 228-3688.

Lost and Found

The Lost and Found is located in Room 208 of Brock Hall. It will be open 9:30-11:30 a.m. on Tuesdays and Thursdays from May 2 to Sept. 9. Telephone: 228-5751.

Campus Tours

Guided tours of the UBC campus — geared to a particular group's interests — can be arranged by calling Information Services at 228-3131. Public events information is available at the same number 24 hours a day (recorded after 5 p.m.).

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