

U BC REPORTS



6000 EXPECTED THIS SUMMER

Approximately 6,000 credit and non-credit students will attend the 1963 summer session and summer school of the arts at the University of British Columbia from July 2 to August 16.

The summer session program, under director John McGechaen, will offer a total of 220 courses during the six-week period. Eighty visiting instructors will join with 170 members of the UBC faculty to supervise the largest summer session program in Canada.

In addition to such new courses as the history of Japan and geography of the Soviet Union there will be courses in history, languages (Russian, Spanish, German, Latin and French), art, religion, music, literature, physics and numerous offerings in education.

Visiting instructors will include: Dr. Erwin Raisz, consulting cartographer, Harvard University; Dr. A. J. Rose, senior lecturer in geography, Australian National University, Canberra; Dr. Reginald Dale, senior lecturer in education, University College of Swansea, Wales; Dr. C. H. Lamoreaux, botany, University of Hawaii; Dr. Archibald P. Thornton, international studies, University of Toronto; Dr. George R. Kernodle, department of theatre, University of Arkansas; and Dr. Curt Zemansky, professor of English and authority on the works of Chaucer, University of Iowa.

The summer school of the arts offers advanced programs in theatre, music and the visual arts with such special events as a seminar on Latin America, evening lectures in fine arts and public affairs, exhibitions, opera scenes, and a major theatre production.

The major theatre production will be directed by John Brockington, assistant professor of theatre at UBC. Sydney Risk, field drama supervisor for the UBC extension department, will be director of the summer school of theatre program.

French Tickner, Opera Theatre, University of Southern California, will direct the opera workshop, and the high school band and orchestra workshop, currently in its sixth year, will be under Hans-Karl Piltz, UBC department of music. The expanded music program will also feature a master class in piano under Dr. John Crown, University of Southern California, and a workshop in piano and recorder for classroom teachers.

Intermediate and advanced painting under Boyd Allen, University of California; advanced sculpture, under Cecil Richards, University of Manitoba, and pottery for beginners, under Hilda Ross, staff

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ceramicist for the UBC extension department, are courses available on the visual arts program.

Leading North American poets, Allen Ginsberg, Margaret Avison, Robert Creeley, Denise Levertov and Charles Olson will participate in a creative writing workshop, and Denis Matthews, distinguished English pianist; Dr. Peter Selz, curator of the New York Museum of Modern Art, and Dr. Edmund S. Carpenter, renowned anthropologist, in the fine arts lecture series.

The public affairs lecture series will examine problems affecting the Columbia River Treaty and will include a panel discussion on the economic potential of Latin America. Among the lecturers will be the ambassadors of Brazil and Cuba to Canada; the Honourable Davie Fulton, H. Leslie Brown, assistant deputy minister, Canadian Department of Trade and Commerce, and Dr. Victor Urquidi, leading economist from Mexico.

Students interested in attending summer session may obtain a complete calendar listing all courses from the registrar. Those who register after May 31 must pay a late registration fee of \$20. No registrations will be accepted after June 17.

Students interested in attending the summer school of the arts should contact the Extension Department, University of British Columbia, Vancouver 8, B.C., CA. 4-1111, local 520.

A calendar of special events which will take place on the campus during July and August will be found on page two.

two awarded scholarships

Two UBC graduate students will study in Russia next year under exchange scholarships awarded by the World University Service of Canada and the British Council.

Brenton M. Barr, a candidate for a master's degree, has been awarded the WUSC scholarship for a year of study at the University of Moscow.

Robert N. North, a graduate of Cambridge and the first Ph.D. candidate in the UBC geography department, will also use his scholarship for a year of study in Moscow.

Both will return to UBC in 1964 to complete work for their degrees.



ROBERT E. BREADON

is the new director of the University's 10,000-acre research forest at Haney. See story on page three.

faculty will split on July 1

The UBC faculty of arts and science will be divided into separate faculties on July 1, President John B. Macdonald has announced.

The president also announced that Dean S. N. F. Chant would serve as acting dean of the faculty of arts, and Dr. Vladimir J. Okulitch as acting dean of the faculty of science for one year or until the appointment of new deans, whichever is the shorter time.

Dean Chant is the present dean of the combined faculties, and Dr. Okulitch is head of the UBC department of geology.

The University Senate approved division of the faculty of arts and science at the earliest possible time last March. At that time President Macdonald said the division was desirable in the interests of increasing intellectual stimulation and encouraging growth in blocks of related studies.

Under the division, the faculty of arts will include the schools of home economics, librarianship and social work, and the departments of anthropology and sociology, classics, economics and political science, English, fine arts, geography, German, history, music, philosophy, psychology, Romance studies, Asian studies, International studies, Slavonic studies, religious studies, and theatre.

The faculty of science will include the departments of bacteriology and immunology, biology and botany, chemistry, geology, mathematics, physics and zoology.

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Convocation elects senators

Names of the 15 persons elected by the Convocation of the University of British Columbia to the University Senate have been announced by the registrar, J. E. A. Parnall.

Convocation is composed of all UBC graduates, original Convocation members, members of the UBC faculty, and honorary degree holders.

Re-elected for further three-year terms are Mrs. H. F. Angus, Kenneth P. Caple, Joseph E. A. Kania, Ian McTaggart-Cowan, Eric P. Nicol, The Hon. Mr. Justice David Verchere, and Arnold Webster, all of Vancouver, and Willard Ireland and J. Stuart Keate, both of Victoria.

Newly elected members are Malcolm F. McGregor, H. V. Warren. The Hon. James Sinclair, Dr. Frank Turnbull and Dr. Hugh Keenleyside, all of Vancouver, and Mrs. H. J. MacKay of Revelstoke.

A total of 38 persons were nominated for the 15 seats. Approximately 27,000 persons were eligible to vote, and 8598 valid ballots were counted.

entrance requirements may change

The UBC Senate has approved a proposal which may result in a change in admission requirements for high school students entering UBC in 1964, President John B. Macdonald has announced.

The new regulation, if instituted, will require that students completing grade 12 on the University entrance program obtain an average of 60 per cent in English 40 and terminal courses in their three required major courses.

The 60 per cent average for the four subjects will be calculated on the results of examinations or assigned letter grades.

J. E. A. Parnall, UBC's registrar, said the recommendation to require the 60 per cent average had been made following a study which showed that the majority of freshman students who fail their first year at UBC have a junior matriculation standing between 50 and 60 per cent.

Senate, Mr. Parnall said, plans to withhold the new requirement until it appears that additional facilities beyond grade 12 are available elsewhere in the province.

He added: "It is likely, however, that the higher standard will be required of students seeking admission to UBC in September, 1964."



board statement

The Board of Governors met on April 9, 1963, with representatives of the Faculty Association, the Alumni Association, and the Alma Mater Society of The University of British Columbia. These meetings had been arranged in response to requests for information about the funds available to the University for its operation in the year 1963-64. The Board of Governors released the following statement on April 9.

The Board of Governors would like to tell you how much it appreciates your attendance this afternoon. All the members would like to express to you their understanding of the interest of your Association in the current financial situation at the University. We know that some of you are deeply concerned with the fact that the Board of Governors has not met with you before this date, and we appreciate your offer to help in any way we feel such help could be used effectively.

Up to this time, we have not considered it advisable to inform any group outside the Board of Governors of the plans and discussions that have taken place. We would like to emphasize that at no time has the Board of Governors as a body, or any member of the Board, the President, or his staff, authorized any public release regarding the financial situation. What has been published or otherwise stated is based on speculation and assumption.

We would like to clarify the respective functions and powers of the Board of Governors and Senate: the Board has complete control of the finances of the University with respect to expenditures, and is solely responsible for financial operations. The powers of the Board are defined in sections 39 to 46 of the British Columbia University Act. Section 41 states specifically:

"The Board shall not incur any liability or make any expenditure beyond the amount unexpended of the grant made to the University by the Legislature and the estimated revenue of the University from other sources up to the end of and including that year, unless an estimate thereof has been first submitted to and approved by the Lieutenant-Governor in Council."

The Board is therefore limited in the expenditures it may incur. The Legislature of the Province determines the University grant. All other funds to be expended by the Board must be obtained from other sources.

The Senate is charged with the responsibility for determining the conditions of admission to the University and Faculties, for awarding degrees, for recommending new courses, and for establishing new Faculties and Departments within the University. The Senate determines the academic conditions of admission; the Board, however, decides the number of persons who may be admitted to the University or to any Faculty within the Senate regulations. Normally, the Board of Governors acts without question on recommendations from the Senate if in the sole judgment of the Board of Governors facilities and resources are available to carry out these recommendations.

The Board is constantly reviewing the trends of revenue and expenditure, and is concerned to use these funds to maintain the standards of the University and to provide for its development.

The demand for University education has increased rapidly, and is continuing to increase. Provincial grants made for both operating and capital expenditure have increased substantially. Corporate, private, and federal gifts and grants have provided substantial sums to assist in operating and capital development. Despite all of this participation, the total sums are still inadequate to meet the rapid growth. There are many who do not yet realize that if the University is to provide teaching staff, facilities and adequate accommodation, much more remains to be done.

The Macdonald Report clearly brought the scale of the emergency to the attention of the public, and laid particular emphasis on the need for rapid growth in the graduate and professional Faculties.

ESTIMATES

The estimates for the fiscal year 1963-64 were prepared by the President after obtaining fully detailed reports and recommendations from each Department, School, Faculty and administrative unit. These initial requests from the Departments amounted to an increase of \$4,500,000.00 over the operating budget for 1962-63. The President personally undertook a careful examination of these proposals, and submitted to the Board of Governors on October 30, 1962, the estimates which he approved and the reasons therefor. These totalled \$2,658,370.00 over and above the operating grant for 1962-63, bringing the total request for the operating estimates for 1963-64 to \$10,233,370.00. After lengthy discussion, and in the light of circumstances then prevailing, these estimates were approved by the Board and sent forward to the Minister of Education as a statement of the increase required by the University for its operations during the year 1963-64. The Minister of Education was informed that the Board of Governors would be happy to meet him and the Minister of Finance to go over these items. Unfortunately, the Board did not have this opportunity.

The Budget Speech on February 8, 1963, indicated an operating grant for the University of British Columbia of \$8,575,000.00, compared with a requested operating grant of \$10,233,370.00. It also indicated a capital grant of \$5,000,000.00 compared with the requested capital grant of \$7,247,697.00.

Since that time, the Board of Governors has met very frequently to consider the implications of the reduced amount provided by the Legislature, and has endeavoured to meet with the Premier and Minister of Finance to request a supplementary grant. On the first occasion, the Premier advised that he would not be able to meet with the Board until the House had been prorogued. When this took place, the Board again asked for an interview, and was advised that no further proposals would be considered by the Premier until the usual University financial statements were available for the year ended March 31, 1963.

Subsequent meetings of the Board and sub-committees of the Board have taken place. The Board of Governors has taken certain steps at this time, and will take such other action as it deems necessary.

Provision is made in Section 99 of the new Universities Act that:

"in the event of there being no vote of the Legislature to provide funds for the Universities, or in the event of an insufficiency therein, the Lieutenant-Governor in Council may, on the joint recommendation of the Minister of Finance and the Minister of Education, provide such funds as may be required from Consolidated Revenue."

The Board is pleased and confident that Premier Bennett is prepared to meet with the Board and re-examine the needs of the University.

The Board has no knowledge of what it will be possible for the Provincial Government to provide by way of additional funds. Therefore the Board, in recognition of its responsibilities, must serve notice to the people of the Province that it may be necessary to modify its present policies in respect of admissions and tuition fees.

summer calendar

A wide variety of lectures, plays, concerts, exhibits, operas and conferences will be held on the campus of the University of B.C. this summer. The calendar below lists the tentative dates and locations of the majority of events taking place during July and August. Further information may be obtained by contacting the UBC extension department.

JULY

- 2, 3, 4, 5—Latin America seminar. Cultural and economic problems and the relationship between Canada and the Latin American States will be explored during the four-day seminar. Afternoon sessions from 3:00 to 5:00 p.m. and evening sessions from 7:30 to 9:30 p.m. will be conducted daily at International House.
- 4—Public affairs lecture series. Major, national and international issues will be discussed during a series of five evening lectures in Buchanan 106 at 8:00 p.m. Series ticket: \$5.00; single lecture: \$1.25. (Students, \$2.50 and 75c).
- 9—Public affairs lecture series. Buchanan 106, 8:00 p.m.
- 10—Summer Session Association concert. Auditorium, 12:30 p.m.
- 11—Fine arts lecture series. Distinguished speakers in various fields of the fine arts will participate in a six-lecture series during July at the Frederic Wood Theatre, 8:00 p.m. Series ticket \$6.00; single lecture: \$1.25; (Students, \$3.00 and 75c). Mr. Denis Matthews, well-known English pianist, will discuss: "Keyboard writing: Bach to Bartok," the first in a pair of lecture-recitals, tonight.
- 12—Young instrumentalists from all parts of British Columbia attending the High School Band and Orchestra Workshop from July 4 to July 24 will present several concert band and concert orchestra performances during the workshop period which are free to the public. A high school band concert will take place in the Buchanan Quad at 12:30 p.m. today. Fine arts lecture series, Frederic Wood Theatre, 8:00 p.m. Mr. Denis Matthews will present the second lecture-recital, "Keyboard writing: Bach to Bartok."
- 16—Public affairs lecture series, Buchanan 106, 8:00 p.m.
- 17—S.S.A. concert, Auditorium, 12:30 p.m. High school band concert, Buchanan quad, 12:30 p.m. Fine arts lecture series, Frederic Wood Theatre, 8:00 p.m. Dr. Peter Selz, distinguished American art historian and curator of the New York Museum of Modern Art, opens the first in a series of three lectures dealing with the visual arts in relation to society, with particular reference to Giacometti, Dubuffet and Bacon. The series is entitled "Art and the human environment."
- 18—Fine arts lecture series, Frederic Wood Theatre, 8:00 p.m. Dr. Peter Selz, "Art and the human environment."
- 19—High school band concert, Buchanan quad, 12:30 p.m. Fine arts lecture series, Frederic Wood Theatre, 8:00 p.m. Dr. Peter Selz, "Art and the human environment."
- 23—High school band concert, Buchanan quad, 12:30 p.m. Public affairs lecture series, Buchanan 106, 8:00 p.m.
- 24—S.S.A. concert, Auditorium, 12:30 p.m. High school band and orchestra workshop final concert, Brock lounge, 3:30 p.m.
- 25—Fine arts lecture series, Frederic Wood Theatre, 8:00 p.m. Speaker to be announced.
- 26—Leading North American poets, Robert Duncan, Allen Ginsberg, Denise Levertov and Charles Olson will present a series of poetry readings in Buchanan 106 at 8:00 p.m. Robert Duncan will present the first in the series of readings tonight. Series: 5.00; single poetry reading: \$1.25.
- 30—Public affairs lecture series, Buchanan 106, 8:00 p.m.
- 31—S.S.A. concert, Auditorium, 12:30 p.m.

AUGUST

- 2—Poetry reading, Allen Ginsberg, Buchanan 106, 8:00 p.m.
- 7, 8—Students attending the Summer School of Opera will present a series of opera scenes at the Frederic Wood Studio at 12:30 p.m. on August 7, and at 8:00 p.m. on August 8. Admission free.
- 9—Poetry reading, Denise Levertov, Buchanan 106, 8:00 p.m.
- 10—Summer School of Visual Arts exhibition, 205 Frederic Lassere building, 10:00 a.m. to 10:00 p.m. Admission free.
- 12—Summer School of Theatre scenes, Frederic Wood Studio, 8:00 p.m. Admission free.
- 13—College of education art exhibition, 10:00 a.m. to 10:00 p.m. Admission free. Summer School of Theatre scenes, Frederic Wood Studio, 2:30 p.m. Admission free.
- 14, 15, 16—Summer School of Theatre, major production, Frederic Wood Theatre, 8:30 p.m. Guest director, John Brockington, D.F.A., assistant professor of theatre, University of British Columbia. Poetry reading, Charles Olson, Buchanan 106, 8:00 p.m.

PLEASE NOTE—Frederic Wood Theatre refers to the new building east of the Armoury, while the Frederic Wood Studio refers to the old theatre at University Boulevard and the West Mall.

CHILLIWACK CENTRE FOR LUNG SURVEY

A seven-week survey designed to throw light on the causes of chronic lung disease began in the Fraser valley community of Chilliwack May 15.

Six hundred Chilliwack adults will be asked to cooperate in the study to be conducted by Dr. Donald Anderson, assistant professor of medicine and preventive medicine at UBC, and Dr. Benjamin Ferris, Jr., associate professor of environmental health and safety at the Harvard University School of Public Health.

The survey is being conducted in cooperation with the Upper Fraser Valley Health Unit and financed with a \$9,000 public health research grant awarded by the Department of National Health and Welfare in Ottawa.

The results of the Chilliwack survey will be compared to results obtained from a similar study carried out in 1961 by Dr. Anderson and Dr. Ferris in Berlin, New Hampshire, a major pulp and paper producing city in the north-eastern United States, which has considerable atmospheric pollution due to sulphur dioxide and other lung irritants.

The researchers want to see if there is the same amount of respiratory disease in a clean, pollution-free city when differences in smoking habits and age are taken into account.

"We selected Chilliwack for the survey," Dr. Anderson said, "because it is a clean city in a rural setting without any industry that would cause serious atmospheric pollution, and because its residents have always shown a readiness to cooperate in such studies."

Another function of the survey will be to determine the prevalence of various respiratory symptoms such as coughing, production of mucous, and colds and wheezing in a normal, healthy population.

A third aim will be to determine the prevalence of indigestion and ulcer symptoms in the survey group.

The 600 Chilliwack residents will be contacted by mail and asked to report to the Upper Fraser Valley Health Unit where they will answer a questionnaire and take a series of breathing tests lasting about 15 minutes.

The researchers found that 95 per cent of those contacted in Berlin, New Hampshire, agreed to take part in the survey, and they are hopeful that a similar percentage will cooperate in Chilliwack.

Residents will be asked how long they have lived in the area, the type of work they have done, the presence or absence of respiratory symptoms and diseases, and their smoking habits.

Those taking part will also be weighed and asked to take a breathing test which will measure such things as lung capacity. No x-rays or blood tests will be taken and all information obtained during the survey will be confidential.

Because the questionnaire has been coded in advance the answers will be fed into a computer to obtain fast results.

While the research team is at work, the B.C. Research Council will be carrying out an eight-month air pollution survey of the Chilliwack area to measure dust fall, and levels of sulphur dioxide, hydrocarbons, and ozones.

"Our interest in this kind of study," Dr. Anderson said, "stems from the fact that chest diseases such as chronic bronchitis, asthma and pulmonary emphysema, a term applied to the final stages of lung disease, is the fastest growing cause of death in North America."

The rate of increase in the U.S. in the past ten years has been seven times, he added, while in Canada the rate of increase has been five times in the same period.



STUDENTS at Kitsilano high school in Vancouver are shown preparing for the first remote television broadcast from the high school to the new college of education building at UBC. Television cameras, operated by students, can transmit classroom situation to the new UBC building for viewing by student teachers. A nearby ele-

mentary school has also been equipped for TV transmission. When other units are added to the UBC building, faculty members will be able to stage classroom demonstration lessons for transmission to the two schools. TV system will go into full time use next session as a teaching device. —Photo courtesy B.C. Telephone Co.

TELEVISION ADDS NEW DIMENSION

The University of British Columbia added a new dimension to its teacher training program recently when the first closed circuit educational television system of its kind in Canada went into operation.

The first classroom demonstration at Vancouver's Kitsilano high school was transmitted over B.C. Telephone Co. video network facilities to the new College of Education building five miles away, where a selected group of faculty members and students saw the "live" performance.

The ETV setup is a joint project of UBC, B.C. Telephone, and the Vancouver school board. It will go into full time operation next year as a device for training student teachers.

The five-mile pilot TV network also includes Queen Mary elementary school in Vancouver, which will also be the scene of demonstration lessons in the future.

The initial installation can be expanded to include all schools in the Vancouver area and, ultimately, adjacent districts. The network is completely reversible, and UBC will be able to originate programs to Vancouver schools when additions to the new college of education building are completed.

Dean Neville Scarfe, head of UBC's faculty and college of education and an advocate of education television, said the project will bring some of the advantages of modern technology to education and open a new field of communication in all aspects of education.

"By this means," he said, "a classroom in a city school can be brought immediately into view at the college to small or large groups, or to many sections meeting in many rooms at the same time."

One big advantage for student teachers and faculty members will be the elimination of time-consuming travel to various Vancouver schools for the purpose of viewing demonstration lessons.

Students in teaching seminars, curriculum and instruction classes, psychology, child development, and administration and philosophy classes can be given direct contact with the realities of the classroom, Dean Scarfe added.

A \$10,000 grant from B.C. Telephone Co. to UBC helped boost the ETV project into reality. The company had installed the backbone pilot cable route three years ago in anticipation of the need for

an educational television network.

A complete TV studio has been installed at the college of education, including cameras, microphones and control console which can be set up in the selected classrooms of the two Vancouver schools. All equipment is operated by college of education student teachers who have been specially trained in TV techniques.

ETV will permit focus on specific aspects of the teacher-pupil-learning situation, such as principles, teaching techniques and methods, physical features of the classroom, materials used by the teacher, individual pupil characteristics, and the class as a whole.

A private intercom system has been set up between the college and the two school classrooms for control purposes. It will be used for initial lineup of each telecast and to ensure quality and continuity, and also will enable college instructors to request special shots.

dean announces resignation

Dean Frederic H. Soward has resigned as head of the department of history at UBC, President John B. Macdonald has announced.

The president said Dean Soward would continue to serve as a professor in the department, director of international studies, and dean of UBC's faculty of graduate studies.

Dean Soward said his decision to resign as head of the history department was largely the result of increased administrative duties in fields other than history.

In particular, he said, the increasing importance of graduate work at UBC had resulted in added academic and administrative responsibilities. Dean Soward said he would continue to teach courses in history and international studies.

Dean Soward has been a member of the UBC faculty since 1922. He is a graduate of the University of Toronto and Oxford, and holds an honorary degree from Carleton University, Ottawa.

Dean Soward was named head of UBC's history department in 1953, and was associate dean of the faculty of graduate studies until 1961, when he succeeded Dr. Gordon Shrum as dean.

director for forest named

The appointment of Robert E. Breadon as director of the University of British Columbia's 10,000-acre research forest near Haney, B.C., has been announced by President John B. Macdonald.

Mr. Breadon succeeds Professor F. Malcolm Knapp, who retires in June after serving as a UBC faculty member for 41 years.

Mr. Breadon received the degree of bachelor of science in forestry with first class honours from UBC in 1950. He was awarded the degree of master of forestry by Duke University in 1951.

Mr. Breadon is currently employed as a forester with Forestal Forestry and Engineering International Limited as a technical supervisor on forest inventory and management projects in Canada, U.S.A., Mexico and Pakistan.

From 1950 until 1958 Mr. Breadon was employed by the B.C. Forest Service as a party chief and assistant forester in the forest surveys and inventory division. He was in charge of applied forest mensuration projects connected with provincial inventory.

Mr. Breadon is a member of the Association of B.C. Foresters and the Canadian Institute of Forestry.

As director of the UBC research forest Mr. Breadon will be responsible for the preparation of management and operational plans, direction of all logging operations and contracts, initiating, planning, and supervision of research projects, and the supervision of records, budget, and personnel employed at the forest.

Prof. Knapp, who will assist Mr. Breadon in his post as director for one year, first joined the UBC faculty in 1922 after graduation from the University of Washington, where he received the degree of master of science in forestry, and the University of Syracuse, where he was awarded the degree of bachelor of science in forestry.

In 1941 Prof. Knapp selected the present 10,000-acre forest as a research site for UBC. He was named director of the forest in 1946, three years before it became UBC property under a Crown grant from the B.C. government.

Dean Thomas Wright, head of UBC's forestry faculty, said that as a result of Prof. Knapp's leadership and guidance the University forest today has become one of the outstanding research and demonstration forests in North America.

