

# LIBRARY SCHOOL TO OPEN

## U.B.C. REPORTS

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### \$150,000 Grant for Extension

A grant of \$150,000 has been made to UBC for the expansion of adult education programs in the extension department.

The grant comes from the Fund for Adult Education, a branch of the Ford Foundation, and will be spread over a five-year period.

#### SECOND GRANT

This is the second major grant made by the fund to UBC. The first was awarded in 1957 and enabled the extension department to launch its study-discussion program in the liberal arts — known as "living room learning" in B.C.

UBC's extension program, already the largest in Canada, will be further expanded by a third as a result of the grant, Dr. John Friesen, director of the extension department said.

The grant, which will result in the hiring of three additional staff members in extension, is made on the condition that UBC will devote to the project an equal amount in staff and program resources during the grant period.

The extension department's program will be expanded in three main areas, Dr. Friesen said.

These are liberal education for adults through evening classes, seminars and conferences, public affairs programs for civic and business leaders and the living room learning program which now operates in 41 communities throughout the province.

#### EXPANDED SERVICES

In all these programs, Dr. Friesen said, attention will be given to expanding services in all the main population centers of the province.

Dr. Friesen said it was gratifying to the extension department to receive such a grant during the year in which the department is celebrating its 25th anniversary of service to the people of the province.

Formal presentation of the grant was made to the University by Mr. C. Scott Fletcher when he visited UBC in late March.

### Gift of Jersey Calves Made to University

The University of British Columbia has received a foundation of choice Jersey calves from one of Canada's top-flight Jersey herds.

The calves have been donated by T. C. and R. C. Polson, of R.R. No. 2, Richmond, as a memorial to the late Mrs. T. C. Polson. The first group of six calves has arrived at UBC and two more will be added each year for the next three years.

Three calves are by the well-known sire Brampton Sixth Generation; two by Bellavista Peter Basil and the sixth by Brampton Sir Bijou Radar. The three sires have 89 tested daughters averaging over 500 pounds of fat.



MORE THAN 70,000 people thronged the corridors of the University March 3 and 4 during the triennial Open House. Among the interested spectators was the Honourable Ray Williston, left, a UBC graduate and now minister of lands and forests in the provincial government. At the forestry faculty display he is shown chatting with Dean George S. Allen.

### Extension Radio Series Receives American Award

UBC and Vancouver radio station CKWX have received an award from the American magazine TV Radio Mirror for the "most original radio program in Canada in 1960."

The award is for the radio series "Sounds of the City," which is broadcast at 9 p.m. Sunday by CKWX. The station has made two annual grants totalling \$12,000 to the communications division of the UBC extension department, which produces the series.

The Leon and Thea Koerner Foundation has also made grants

### Advisers at UBC for Conference

More than 75 high school counsellors from all parts of B.C. attended a four-day seminar at the University April 5 to 8.

The seminar was made possible by a grant from the International Nickel Company of Canada and was sponsored by UBC's counselling office and faculty of education and the department of education.

Invitations to the seminar were sent to counsellors in each provincial school district and all lower mainland schools. The purpose of the conference was to improve liaison between counsellors and UBC and to provide the group with full information about the University.

totaling \$1,750 to aid production of the programs.

The series, which began in November, 1959, deals with the cultural, social, and political aspects of life in Vancouver.

The series has recently been made available to radio stations outside Vancouver and is presently carried by CJIB in Vernon, CKEK in Cranbrook, and CKCQ in Quesnel.

The series is produced by Bill Ballentine, a UBC graduate and past president of the UBC radio society. A joint committee from the UBC extension department and CKWX plans the series.

Committee members are Ballentine; Gordon Selman, associate director of the extension department; Alan Thomas, director of the extension department's communications division, and Jon Ansell and Ron Robinson for CKWX.

In its citation TV Radio Mirror says: "To the people whose co-operative work put this continuing series together the editors extend high praise — since the show represents an amalgam of professional and educational talents to produce a startlingly low-cost series of shows of special local flavour."

The citation continues: "Talent — if paid for at all — was of high professional competence. But, in many instances, it was the housewives, artists, cab drivers, professors, who gave a special spark to the series."

### Associate Librarian Named to Head School

A graduate school for the training of professional librarians, which has been under consideration by the University of British Columbia for more than 15 years, will enrol its first students in September, President N. A. M. MacKenzie has announced.

Dr. MacKenzie also announced that Dr. Samuel Rothstein, UBC's associate librarian, would become director of the School of Librarianship which will be part of the faculty of arts and science.

President MacKenzie said that in recent years many groups in western Canada have written to the University urging the establishment of a school of librarianship to meet the growing demands for trained librarians.

#### BACHELOR'S DEGREE

The school will offer a one-year, postgraduate program leading to the degree of bachelor of library science (B.L.S.). A second program leading to the degree of master of library science (M.L.S.) will be offered in the future, the president said.

Requirements for admission to the school will be a bachelor's degree from UBC or its equivalent and a reading knowledge of a language other than English.

Enquiries regarding admission should be made to Dr. S. Rothstein, at the University library, Vancouver 8, B.C.

Dr. Rothstein said there is a serious need for trained librarians in the four western Canadian provinces. "The Canadian Library Association reports that there are several hundred vacancies in Canada," he added, "and the gap between the number of qualified persons available and the existing demand has been steadily increasing in recent years."

Dr. Rothstein received his bachelor and master of arts degrees from UBC in 1939 and 1940. He did postgraduate work in romance languages at the Universities of California and Washington. After service in the Canadian army he obtained his bachelor of library science degree from the University of California in 1947.

#### RECEIVED GRANT

In 1951 he received a grant from the Carnegie Corporation for advanced study at the University of Illinois. He was awarded the degree of doctor of philosophy by that University in 1954.

Dr. Rothstein is the author of a book on the development of reference services in American research libraries. He joined the UBC library staff in 1947 and served successively as head of the acquisitions division, assistant librarian and associate librarian.

He is a former chairman of the library education committee of the Canadian Library Association, immediate past president of the B.C. Library Association, and currently serves on the councils of the Canadian Library Association and the Bibliographical Society of Canada.



DR. SAM ROTHSTEIN  
... heads library school

### Job Appeal Goes to B.C. Employers

UBC's personnel office has appealed to employers throughout the province to contact the University immediately if they have summer jobs to offer to undergraduates.

1961 summer job opportunities appear to be much thinner than last year, according to UBC officials, who now have more than 1800 students registered for jobs.

Before classes finish it is expected that about 2500 students will have registered and at present only about 50 employers have contacted the University.

Letters have gone out to 550 firms throughout B.C. asking them to list summer employment. Students are being told that employment prospects are not good and are being urged to make personal efforts to contact employers.

One official said that general employment for students who are not specialists is badly needed. He added that those industries which have taken large numbers of students in the past do not appear to be active and other job opportunities are not appearing to fill the gap.

Job opportunities in some specific areas are quite good. Geology students, for example, are finding employment with companies which are planning to expand summer exploration.

Last year UBC's employment bureau found jobs for about 1500 of the 2500 students registered. About 500 firms requested students for the full summer and an additional 100 placed requests for part time help.

### DEAN CHANT TO ADDRESS ALUMNI DINNER MEETING

The annual dinner meeting of the UBC Alumni Association and Convocation will be held in the Hotel Georgia on Thursday, May 25, at 6:30 p.m.

The meeting will be addressed by Dean S. N. F. Chant, head of UBC's faculty of arts and science.

Arthur Sager, director of the Alumni Association and secretary of Convocation, said accommodation at the banquet would be limited and he urged graduates to apply immediately, in writing, for ticket reservations.

Requests should be sent to the UBC Alumni Association, Brock Hall, University of B.C., Vancouver 8, B.C.

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VANCOUVER 8, B.C.

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UNIVERSITY INFORMATION OFFICE

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## PRESIDENT SPEAKS IN OTTAWA

# Federal Aid to Education

*(During February UBC's president, Dr. N. A. M. MacKenzie, spoke at the annual University Ball in Ottawa, Ontario. The speech which he delivered on that occasion follows.)*

... It is frequently claimed that "education is a provincial matter." In our Constitution, the B.N.A. Act, it is provided that education is within the jurisdiction of the provinces. At the recent meeting of attorney generals of the provinces to consider ways and means of amending our constitution, the only positive statement issued seems to have been that the section in the B.N.A. Act dealing with education could not be amended without the consent of all the provinces.

I understand the reasons for this and I sympathise with these reasons and motives. Insofar as it has reference to schools and to education at the school level, I feel it is probably a sound arrangement and I am prepared to approve it. But, ladies and gentlemen, I suggest that for a few minutes we forget about "law" and look at "facts."

Education in its broad and inclusive sense is concerned with ideas and concepts and "things of the mind." It is also part of the training and the disciplining of the emotions. It is based on knowledge and understanding and information. It conditions and shapes individuals, groups, nations, and the whole world of men and women of which we in Canada form a part. There was, no doubt, a time in history when communication was, to all intents and purposes, non-existent, in which it was possible to confine education and its effects to a limited geographical area. It is still possible, through the agencies of language, culture, or an ideology, to restrict the influence of education and to channel it in a given and desired direction.

As illustrations: I suspect that the masses of the Chinese and Russian people do not know too much about Canada and Canadians or about the other countries and peoples of the West. I am sure that many of the inhabitants of the Congo are ignorant of everything beyond their tribal borders. I suspect that many dedicated communists have closed their "hearts" and minds to our virtues and their own defects — and both do exist — and I am certain that in our democracies, Canada, the United States, Britain, and France, there are many ignorant and emotionally undisciplined people.

Two or three centuries ago, or even as late as 1900, this restricting and confining of knowledge may have been inescapable or even acceptable. But today, in the kind of world we live in, it is just not good enough nor can it be allowed to continue if we are to survive on this earth. That is why I have presumed to speak to you seriously and to remind you that regardless of what the lawyers may draft and decide (and I am one of them), humanity is on the march, and education in the broad aspects in which I am using the term is spilling over boundaries and frontiers everywhere.

The radio, and particularly television, moving pictures and advertising, newspapers and picture magazines, and the ideas and information they convey, are no respectors of persons or of frontiers or even of languages. Again, as evidence, I give you the U.S.S.R., Asia and Africa, all in revolutionary turmoil almost certainly because of ideas and information that has poured in over their borders. Science in particular uses a common language, and ideas run like wildfires across the world, regardless of all of the walls and frontiers that men create. In the positive and creative areas, this is good, for if we exchange and pool our knowledge about space, about medicine, about physics and chemistry, and

about human nature and human society, there seems no limits to the future that lies ahead. Whereas if we refuse to do this, if we try to retain the old dividing walls or to build new ones, then we are certainly in for a difficult, dangerous, and unhappy future.

None of this implies or suggests that I like conformity and uniformity, or believe that it is inevitable or necessary. To the contrary, I believe most strongly in variety and difference within a nation and between and among individuals provided that it is based upon the freedom of the individual and upon his access to all the knowledge and information and wisdom available anywhere and everywhere. This then is the international or world setting.

For the rest of the time . . . I would like to put Canada and Canadian education into this world picture. Obviously, we must, within the limits of the physically and financially possible, give all of our citizens the best and the most education they can benefit from. If we do not do this, there will be no place for us in this rapidly changing world. This means good schools, good teachers, good newspapers and magazines, good movies, radio and television and a good system or systems of adult education.

But we, university alumnae and alumni, have a special interest in and concern for university or higher education, and that problem is among other things, one of expanding enrolments, more buildings and equipment, more teachers and directors of research, and a great deal more money. Can I give you one or two statistics. The first, — between 1940 and 1950, the college age group in Canada increased by about 25,000. In the decade between 1960 and 1970 — our present decade — it will increase by 500,000. This is the measure of the numerical difference in our problem. One other problem. In the period 1940-1950, about 8% of the college age group were in colleges and universities. It is estimated that some 33% of this age group have the ability to benefit from higher education. It is also stated that in the U.S.S.R., about 19% are given higher education, in the United States over 20%. In the latter country, the percentage is rising and, because of social pressures, may well go above 40%. Our present (1960-61) percentage in Canada is 11%.

The question I, a university president, ask you and the people and governments of Canada is, what do you want us to do. We can, in fact must, if monies are not forthcoming, deny higher education to many of our sons and daughters, and limit our enrolment rigorously to the "brains," "the geniuses," and the very high I.Q.'s. The ordinary folk in that case won't get in. Or we can spend more money on higher education. As I have stated above, education is a provincial matter, and the governments and legislatures of the provinces must accept the basic responsibility for it. This means, among other things, that they, the governments and legislatures, must find much of the money required to support all education, including our universities.

But, in addition, I suggest that because of the nature of higher education and of society and the world we live in, much of the money for our universities should and must come from the government and parliament of Canada. In my introductory remarks I made mention of the international character of education. If that be true, and I claim that it is, then only our national authorities can or have the obligation to cope with it.

CONTINUED ON PAGE THREE

See Canadian Universities

## FACULTY ACTIVITIES

# Royal Society Medal For Geology Teacher

**PROFESSOR WILLIAM H. WHITE**, of the department of geology, has been awarded the Willet G. Miller medal by the Royal Society of Canada.

The medal, awarded every two years, was given to Dr. White for his work on the geological history of B.C. It will be presented at the June meetings of the Royal Society of Canada in eastern Canada. The medal was first awarded in 1943 and is named for the late Dr. Miller of the Geological Survey, who carried out pioneering work in geology in western Canada.

★ ★ ★  
**DR. JOHN A. JACOBS**, professor of geophysics, has been awarded the degree of doctor of science by the University of London. The degree, which has been awarded to Dr. Jacobs for his contributions to the science of geophysics, is not honorary and is given only to graduates of the University of London.

★ ★ ★  
**PROFESSOR EARLE BIRNEY**, of the department of English, has accepted an invitation from the University of Oregon in Eugene to take up the post of Writer in Residence for the spring quarter which ends in mid-June. Professor Birney will conduct seminars in the writing of fiction and verse and the balance of his time will be devoted to completing a new book of poems.

★ ★ ★  
**DR. DAVID C. MURDOCH**, professor of mathematics, and **DR. WILLIAM ROBBINS**, professor of English, have been awarded Canada Council grants to devote a year to research, study and writing. **ARTHUR C. ERICKSON**, assistant professor in the school of architecture, has been granted a fellowship. The awards are worth \$4,500 for a married person and \$4,000 for single scholars. **SYDNEY G. PETTIT** of Victoria College received a fellowship for his work in social science. **ROBERT M. JORDAN**, assistant professor of English, has been granted a Canada Council scholarship for post-doctoral work in England.

★ ★ ★  
**DR. JUHN WADA**, assistant professor of neurological research, has received a \$20,000 United Cerebral Palsy grant for study on brain function.

★ ★ ★  
Participating in the Canadian Conference of the Arts in Toronto in May will be **B. C. BINNING**, associate professor and head of fine arts; **MISS BARBARA PENTLAND**, instructor in the department of music; and **DR. EARLE BIRNEY**, professor in the English department.

★ ★ ★  
**DR. CHARLES E. BORDEN**, lecturer in archaeology, was elected to the executive committee of the Society for American Archaeology. He will present a paper at the annual meeting of the Society in Columbus, Ohio, in May on "Early man site in the Fraser Canyon."

★ ★ ★  
**DR. JAMES M. DANIELS**, professor in physics; **DR. MYER BLOOM**, associate professor in physics and **DR. JACK HALPERN**, associate professor in chemistry, have been named Alfred P. Sloan Research Fellows.

★ ★ ★  
**DR. DENIS C. SMITH**, associate professor in education, attended the regional conventions of the American Association of School Administrators (AASA) in San Francisco in March and took part in a panel discussion on "The selection and training of school administrators."

★ ★ ★  
**MISS MOLLIE COTTINGHAM**, associate professor in education, has been admitted as a fellow of the Canadian College of Teachers.

★ ★ ★  
**DR. MAX HOWELL**, assistant professor in the school of physical education and recreation, delivered a paper on "Adolescence and physical fitness" at the first joint meeting of the Canadian Medical Association with the physical educational professional body (CAHPER). The conference on physical fitness was held in Toronto in March.

★ ★ ★  
**S. H. DEJONG**, associate professor in the department of civil engineering, attended the 54th annual meeting of the Canadian Institute of Surveying in Ottawa in February.

★ ★ ★  
**DR. F. H. JOHNSON**, director elementary division, College of Education, has been named chairman of the Vancouver museum board which operates city museums. Other faculty members on the board are **DR. IAN McTAGGART COWAN**, professor and head of zoology, vice-chairman, and **DR. WAYNE SUTTLES**, associate professor in anthropology.

★ ★ ★  
**DR. BRUCE D. GRAHAM**, professor and head of the department of paediatrics, gave a lecture of "Respiratory complications in the newborn" at the University of Oregon post graduate course in paediatrics in March.

★ ★ ★  
**J. A. LAPONCE**, assistant professor of political science, is the author of a new book "The government of the fifth republic," dealing with French political parties and the constitution.

★ ★ ★  
**ALEXANDER MASLOW**, professor emeritus of philosophy, has written "A study in Wittgenstein's Tractatus," the first critical study by a North American of "Tractatus Logico-Philosophicus."

★ ★ ★  
**DR. A. DONALD MOORE**, associate professor in electrical engineering, has been appointed 1961 chairman of the board of examiners of the Association of Professional Engineers.



FROM POPULATION COUNCIL

# Grant Aids Research in Animal Husbandry

UBC scientists have begun a long term research project to discover what substances in certain B.C. plants and trees possess anti-fertility properties for animals.

Dr. Warren Kitts, who heads the project, has received a grant of \$6,200 from the Population Council Inc., of New York, a non-profit organization founded in 1952 to encourage research and education concerning the relation of the world's population to its material and cultural resources.

The Council distributed \$681,000 in grants in 1958 and receives its funds from a number of sources including the Ford and Rockefeller Foundations.

The problem which Dr. Kitts will investigate has troubled B.C. cattlemen for some time but no reliable statistics exist to indicate the number of cases in any one year.

All that is known is this: if browsing female cattle eat such things as yellow pine needles, or certain forage crops, the result is an interference with concep-

tion or, if conception does take place, the animals may abort.

Dr. Kitts, who is an associate professor of animal husbandry in the faculty of agriculture at UBC, has been engaged in other research problems over a period of four years that have resulted in the development of techniques for extracting the chemicals from native B.C. plants.

"Our problem now is to fractionate or separate the substances and then describe them fully," Dr. Kitts said.

Two methods are being used by the scientists to trace the effect of the chemicals.

In the first method radioactive isotopes are injected into experimental animals to trace the action of the chemicals on the theory that they may affect the thyroid gland.

If the thyroid fails to function normally, the result could be an interference with conception, the natural growth of the foetus, or abortion.

The second method being used is the microscopic study of tissue taken from the reproductive organs of female animals to see if the tissue is altered in any way by the chemicals.

If the project is successful, the UBC scientists could come up with a full description of the substances which cause the problem.

Knowing what the substances are may mean that other substances can be added to the animals' diet to counteract the effect of the chemicals, Dr. Kitts said.

★ ★ ★

Construction of the four-storey building has started and will be finished before the end of the year.

Total cost of the building will be in excess of \$1,000,000. It will provide classroom space for the school of architecture and the department of fine arts.

Other phases of the center, which will be started as funds become available, will include a theatre, an art gallery, an anthropology museum and a building for the school of music.

The center is being constructed on the parking lot at the north end of the main mall. Architects are Thompson, Berwick and Pratt.

★ ★ ★

Thea Koerner House, UBC's new center for graduate students, is now nearing completion and will be opened this spring.

The building was made possible by a grant of \$400,000 from Dr. Leon Koerner, the retired president of Alaska Pine and Cellulose. The building is a memorial to Dr. Koerner's late wife.

The building will be a social center for the more than 700 graduate students currently enrolled at UBC. Facilities include a lounge, recreation room and cafeteria.

★ ★ ★

Three new buildings for the faculty of medicine are rapidly nearing completion on University boulevard opposite the War memorial gymnasium.

The buildings will house various departments of the medical faculty now occupying wooden buildings adjacent to the bus stop.

## Construction Starts On Fine Arts Center

An \$820,000 contract for construction of the first phase of the fine arts center at the University of British Columbia has been awarded to Howden Construction Company of Vancouver.

## Totem Pole Gift from Canada to Mexico

A 37-foot Kwakiutl Indian totem pole is being carved at Thunderbird Park, Victoria, as a goodwill gesture from Canada to Mexico.

The pole was commissioned on behalf of the federal government by the Hon. Howard Green, minister for external affairs. The University of British Columbia, through its department of anthropology, is administering the project.

The provincial museum in Victoria has made available the facilities of its Totem pole restoration program in Thunderbird Park for the actual carving of the pole which has been designed by the famed 79-year-old Kwakiutl artist Mungo Martin.

The pole, which will be completed in mid-April, will be 3½ feet in diameter and will depict four main figures from top to bottom: the Thunderbird, sea otter, double-headed serpent and cedar man.

Mr. Martin, who has been chief carver for the Thunderbird Park program since its inception in 1952, is being assisted by two Kwakiutl carvers, Henry Hunt, 38, and his son Eugene, 18.

Mr. Martin was the creator of the 100-foot Centennial Totem pole which was sent to England in 1958 as a gift to Her Majesty Queen Elizabeth.



DR. CYRIL BELSHAW  
... heads UN center

## Professor Heads UBC UN Center

Dr. Cyril Belshaw, associate professor of anthropology at the University of British Columbia, has been appointed director of the Regional Training Center for United Nations fellows at UBC.

Dr. Belshaw has been appointed director by the United Nations and released from duties in the anthropology department to assume the directorship of the Center.

He succeeds Dr. Albert Lepawsky, who has returned to the University of California in Berkeley where he is professor of political science. He will continue to act as a consultant to the UN and to the Center which was established at UBC in June, 1959.

The Center receives personnel from developing countries who have been awarded UN fellowships to study various phases of economic development, social welfare, and public administration in western Canada and the United States.

A detailed analysis of the fellow's training needs is made when he arrives at UBC. Besides studying at the Center, fellows receive their training in governmental agencies, commercial firms, and industry.

Since it was established, fellows from Burma, Japan, Israel, Mexico, Sudan, Thailand, India, Greece, Liberia, Korea, the United Arab Republic, and the Republic of China have passed through the Center to study public finance, customs, personnel and judicial administration, mineral economics and ore dressing.

## Unpublished Manuscripts Purchased

The University of British Columbia has purchased the unpublished manuscripts of the late writer-poet Malcolm Lowry, who is best known for his widely-acclaimed novel "Under the Volcano."

The manuscripts, which include an unpublished novel, a novella and more than 1000 pages of poetry, will be deposited in the division of special collections in the UBC library.

Arrangements for the purchase of the manuscripts were made by Professor Earle Birney, of UBC's English department, from the writer's widow, Mrs. Margerie Lowry, who has come to Vancouver to collaborate with Professor Birney in preparing some of the purchased material for publication.

"Lowry was a writer in the tradition of James Joyce and Herman Melville," says Professor Birney. "He was primarily a psychological novelist who made use of the stream of consciousness technique and was concerned with the inner agonies of people in the modern world," Professor Birney added.

### LIVED IN SHACK

Lowry, who was born in England in 1909, came to western Canada in 1939 and lived in a squatter's shack in Dollarton on the outskirts of Vancouver. He died in 1957 while on a trip to England.

At Dollarton Lowry rewrote "Under the Volcano," a novel about Mexico, for the third or fourth time. Published in 1947, it won immediate critical acclaim and was on the best seller list for more than a year.

Lowry gained an international reputation as the result of the publication of the novel in France, Germany, Norway, and Denmark.

For some reason Lowry developed an almost pathological fear of publishing following the appearance of "Under the Volcano," Professor Birney says.

He was a tireless reviser of his work and there are several versions of almost everything he wrote in the unpublished material.

Professor Birney has edited about 160 poems from the collection and hopes to publish them under the title "The lighthouse invites the storm," a title which Lowry chose before his death.

Some of the poems to appear in this volume will be published in May in the Canadian literary

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CONTINUED FROM PAGE TWO

# Canadian Universities Must Receive More Money

Higher education in most of its aspects has always been and is national and international in character and content. Students and teachers have traditionally wandered about the world they knew in search of knowledge, experience and information, or to sit at the feet of great teachers. This is true of Canada.

We at UBC have students from every province and most of the countries of the world. Our graduates go off to all parts of Canada and to all parts of the world, and what is true of UBC is true of practically all Canadian universities. This kind of thing is not the proper or normal responsibility of a provincial or municipal government. The future of our country, Canada, as I

have said (as well as of our provinces) depends upon research in science and in agriculture, forestry, fisheries, and in medicine, and I would hope in the area of human relations.

In all of these fields as well as in defence, our federal government is presently participating, through the National Research Council, the Defence Research Board, various departments of government, and through the Canada Council.

Following the end of World War II, Canada contributed over \$200 millions to assist in the education of the veterans. Since 1951 she has each year contributed millions directly to the universities and colleges on a per capita, per student basis. This year this will amount to about \$26,000,000

(if Quebec is included). In addition, the government of Canada operates the three defence colleges, is increasing its aid to vocational training and is administering and paying for its share of Colombo and Commonwealth scholarships plans.

I have cited these activities to support my thesis that the federal government over many years has been, is, and must continue to be in the business of higher education in its broad and varied and appropriate aspects, in an important way. There is nothing wrong or illegal about this. In fact, it is good and desirable, provided always the federal government and parliament, or any other government, do not attempt to control the universities and higher education. Some measure

of influence is, of course, inevitable if money is made available for specific purposes or even for general fields like "science" but that is true of any money given by private citizens, corporations, foundations or religious denominations.

The direct per capita grants given by the government of Canada to the universities have been free and without "strings." The only influence they have had is to improve the quality of the work done, to change the emphasis as between science and the humanities, and probably to encourage the creation of new institutions.

It is argued, I know, that through a redistribution of the taxing powers the provinces could look after all the needs of

education, including higher education within the respective provinces. In theory this is so. In practice because much of the work done by universities is not the concern of the provinces, I do not believe the provinces would give their universities enough or uncontrolled support. Highways, rather than Colombo plans, are the proper and understandable interest and concern of the provinces.

It is because of reasons like these that I claim and continue to claim that, if Canada is to provide for the educational needs of its people and to maintain its place in a changing world, the government of Canada, and the governments of the provinces will have to give more money to the universities.

## BEGINS IN EARLY JULY

# Wide Subject Range at UBC's Summer Session

Comprehensive programs in theatre, music, art, and dance will be offered at the 24th annual summer school of the arts at the University of British Columbia from July 3 to August 19.

Under both nationally and internationally-known instructors, hundreds of students from all parts of Canada and the United

States will have the opportunity of studying credit and non-credit courses during July and August.

Guest directors will include: Robert Gill, director of Hart House Theatre, Toronto; Hans Beer, associate director of opera, University of Southern California; Shoji Hamada, internationally-known ceramicist from

Japan; Ulfert Wilke, prominent European artist and Jean Erdman, American dancer and choreographer.

The summer school of theatre, directed by Dorothy Somerset, will offer courses in acting, speech, directing, children's theatre, stage movement, stagecrafts and scene designing. All students will participate actively in the various theatrical productions.

A high school band and orchestra workshop, under Hans-Karl Piltz, UBC department of music, will offer young instrumentalists of high school age an opportunity to work with band and orchestra directors in many fields, while an opera workshop has been designed to encourage talented vocalists, with or without experience, who wish to participate in operatic performances and to gain experience in styles and acting. A full-scale opera production will be held the final week of the music school.

Jean Erdman is returning to UBC for the third consecutive summer as director of the school of dance. Courses in dance techniques, the art of movement, music, design and dance composition and production will be included on the program, in addition to a junior dance group.

An arts seminar, "Artist and audience in contemporary art" will be featured during the summer school of arts and crafts in addition to regular courses in painting, drawing, ceramics and sculpture.

The summer school of public affairs will again conduct several programs on major issues facing Canada. The summer school of communication's program will include a seminar on communications, speech for broadcasting and film production.

Alan Jarvis, noted art authority, will conduct the popular noon hour lecture interviews in conjunction with the Vancouver International Festival. Evening lecture series on art and public affairs will also be held during July.

Detailed information on summer courses, fees, scholarships and accommodations may be obtained by contacting the Extension Department, UBC, Vancouver 8, B.C.

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A total of 192 courses will be offered to students who are studying for degrees at the academic summer session which also begins July 3 and runs to August 18.

Instruction in a wide range of subjects will be given by 222 professors — 149 of them from UBC and the balance from Europe, the United States and the rest of Canada.

Last year more than 4300 students were on the campus for credit courses and summer school officials expect they will equal or surpass this figure in 1961.

## Professor Develops Simple Test for Seeds

A quick, easy method for distinguishing between seed taken from coast and interior Douglas fir trees has been developed by Dean George S. Allen, head of the faculty of forestry at UBC.

The problem of distinguishing between the two types of seed has been an annoying one which has cost companies in Canada and overseas many thousands of dollars in the past, according to Dean Allen.

Seed from interior Douglas fir is worse than useless for seeding or planting on the coast, Dean Allen says. In the coast environment the interior seed produces an inferior tree — slow-growing and subject to a number of pests.

Losses from planting unsuitable seed can be enormous since

little or no crop would result at the end of 50 or 100 years.

An aggravating factor, says Dean Allen, is the greater and more frequent production of seed by interior trees, together with the much greater demand for coastal seed which is valued at \$10 per pound or more.

Other solutions to the problem have been suggested, says Dean Allen, but these would take considerable time to complete and buyers were looking for a test which could be made on the spot.

Dean Allen took seed from both coastal and interior areas and began noting distinguishing physical characteristics under a low power microscope.

He found there were differences in seed tips, body shapes, contours and textures as well as some variations in colour.

To test his theory he asked the B.C. Forest Service to send him 24 samples of seed designated by code number only. Using only physical characteristics as a yardstick he quickly separated the seeds into coastal and interior types.

Dean Allen says tests can be made in a few minutes on a small sample although a large order would have to be thoroughly sampled. Dean Allen will supply both black and white and colour prints to anyone who wishes to use them as guides in carrying out their own tests.

Dean Allen admits that one question bothers him — why didn't someone think of distinguishing between the two types of seed in this way before?

"I have a feeling," he says, "that this was too obvious a solution. We're used to devising complicated ways of solving many scientific problems but once in awhile the solution is much simpler than we imagine."

## Dental Fund

UBC has received \$2000 from the B.C. Dental Association to encourage women students who wish to train as dental hygienists. The grant will provide for a \$250 scholarship, three bursaries of \$250 each and a loan fund of two \$250 sums.



TIM HOLLICK-KENYON  
... assistant director

## Alumni Conference in Vernon

A regional conference on higher education—the first of its kind in the Okanagan-mainline area—will be held in Vernon, B.C., on Saturday, May 6, under the sponsorship of the UBC Alumni Association.

Invitations to participate in the conference at Vernon junior high school have been extended to faculty members at UBC and Victoria College, authorities on vocational and technical education and business leaders.

UBC's deputy president, Dean Geoffrey C. Andrew, will give the keynote address and the closing banquet will be addressed by the Honourable Leslie Peterson, B.C.'s minister of education and a UBC graduate.

The conference will be highlighted by two panel discussions on "What does higher education cost and is it worth it?" and "The future of higher education in the Okanagan-mainline area."

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UBC graduate Tim Hollick-Kenyon, supervisor of the Vancouver family court, has been appointed assistant director of the UBC Alumni Association, effective April 1.

Mr. Hollick-Kenyon was a probation officer at the juvenile court before becoming supervisor in 1957. He is presently a member of the Alumni Association board of management and has been active in a number of professional groups and community organizations.

As an undergraduate he was active in the National Federation of Canadian University Students, the Players' Club, Radio Society and other campus organizations.

D. F. Miller, president of the Association, said the appointment of an assistant director was authorized by the Alumni board because of continued expansion in the Association's activities and services.

Mr. Hollick-Kenyon will be responsible for the branches and divisions program and for annual and special events sponsored by the Association.

## Search for Graduates to Continue

The search for missing UBC graduates continues.

Each issue UBC Reports will print a list of degree-holders who have failed to inform the University of changes of address.

If you know the whereabouts of any of the graduates listed below fill in the coupon at the bottom of this page and send it to the Information Office, University of B.C., Vancouver 8, B.C.

Kimimichi Arai, BA '42; Eva Viola Arbuthnot, BA '29; Elmer Raymond Archer, BCom '48; Cora Margaret Armstrong, BA '39; Helen Jessie Armstrong, BA '26; Gerald Clifford Ascroft, BAsc '46; Tom Christopher Assaly, BAsc '44, MAsc '45.

Donald Alex. Baird, BA '50; James Alex Baird, BA '48; Jocelyn L. Baker, BA '50; John Howard Baker, BA '49; Mrs. J. H. Baker, BA '51 (Irene Julia Thorburn); Rowena Muriel Baker, BA '48.

Enid Dora Ball, BA '41; Jean Muriel Barbour, BSW '47; Mrs. Wm. Barker, BAsc '33 (Jean Isabel Cumming); John Alex. Bawell, BCom '47; Elmer Wallace Bates, BCom '47; Mrs. Catherine F. Baxter, BA '19 (Weir); Mrs. W. L. Beales, BA '31 (Edith Helen Sturdy).

James Seymour Beard, BA '47; Ruth Rachel Becker, BA '48; Anne Margaret Bedner, BA '39; Francis Edward M. Beldam, BA '49; James Douglas Bell, BAsc '40; John Nairn Bell, BA '49.

Margaret Isabella Bell, BA '51; Marion Margaret Bell, BSW '46; Phyllis Muriel Bell, BSW '46; Wm. Milton Bell, BA '46; Verda Lucille Benedict, BA '33.

Leslie Burton Benson, BA '49; Robert Oakland Bentley, BSA '42; Herbert Wm. D. Beresford, BA '40; Lillian Grace Beresford, BA '44; Brant Eric Bergstrom, BA '48; Leo Bernbaum, BA '50.

Montague M. Bingham, BA '50; Lloyd George Bishop, BCom '47; Phyllis W. Black, BA '37; Victor James Black, BCom '49; Wm. Barnes Blair, BAsc '43; Jason Bloom, BAsc '27; Wm. Aaron Boak, BA '50; Sybil Bolt, BA '26; John Roy Bowett, BA '43; Joan Dolores Bowie, BSW '46; Annetta McT. Boyd, BA '41.

Mrs. J. H. Boyd, BA '33 (Jeanne Lakeman-Shaw); Priscilla Boyd, BA '38; Kathleen Frances Brain, BA '30; Mrs. Kay Phyllis Braley, BA '42, BSW '52; James S. Brown, BA '39, MA '42; John Gregory Britton, BCom '49; Alexander Broda, BA '49; Alfred Brooks, BA '49.

George Stuart Brown, BCom '47, BSF '48, MA '51; Gordon F. G. Brown, BAsc '50; Jack McD. Brown, BA '48; Richard B. M. Brown, BAsc '52; Robert Brown, BAsc '50; Victoria Janet Brown, BA '41.

John Bubrick, BCom '50; Nathan Bulman, BSA '48; Marjorie D. Burden, BA '47; Harold C. Burnell-Jones, BA '48; Alastair Burnett, BA '47; Gladys Moira Burns, BA '49; John George Burrill, BSF '51; James Donaldson Burwell, BAsc '49.

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Name \_\_\_\_\_  
Address \_\_\_\_\_