

100,000 EXPECTED AT UBC

Ghana Site of Planning Institute

UBC and the bureau of technical assistance operations of the United Nations have signed agreements with the African state of Ghana for establishment of an Institute of Community Planning.

UBC's president, Dr. N. A. M. MacKenzie, in announcing the signing of the agreements, said the Institute would be located near Accra, the capital of Ghana.

He also announced the appointment as director of the Institute of Alan H. Armstrong, who has been granted leave of absence from Central Mortgage and Housing Corporation in Ottawa, where he has been senior advisor on community planning for ten years.

Mr. Armstrong has been appointed professor in planning in UBC's school of architecture which offers courses in community and regional planning.

NOW IN GHANA

Mr. Armstrong has already left for Ghana where he will spend a month in Accra making arrangements for the establishment of the Institute which hopes to admit the first class of students in September of this year.

Accompanying Mr. Armstrong is Dr. Peter Oberlander, professor in community and regional planning, who went to Ghana 18 months ago as a United Nations technical assistance specialist to advise on the training of community planners.

On Dr. Oberlander's recommendation Ghana and the UN agreed to establish a training centre in the form of an Institute of Community Planning.

The Institute will train local planning assistants to carry out projects under the Ghana government's new five year development plan. In due course the Institute may become a regional training centre for junior planning staff from other West African countries.

UBC will supervise the operation of the Institute for an initial period of three years and Mr. Armstrong will act as director for a year. Dr. Oberlander will act as a consultant to the Institute.

TORONTO GRADUATE

Mr. Armstrong, the Institute's director, is a graduate of the University of Toronto and New York University, and has participated in many ways in the development of community planning in Canada.

Seattle Chapter Gives Scholarships

Two American girls are attending UBC on scholarships awarded by the Seattle branch of the Alumni Association.

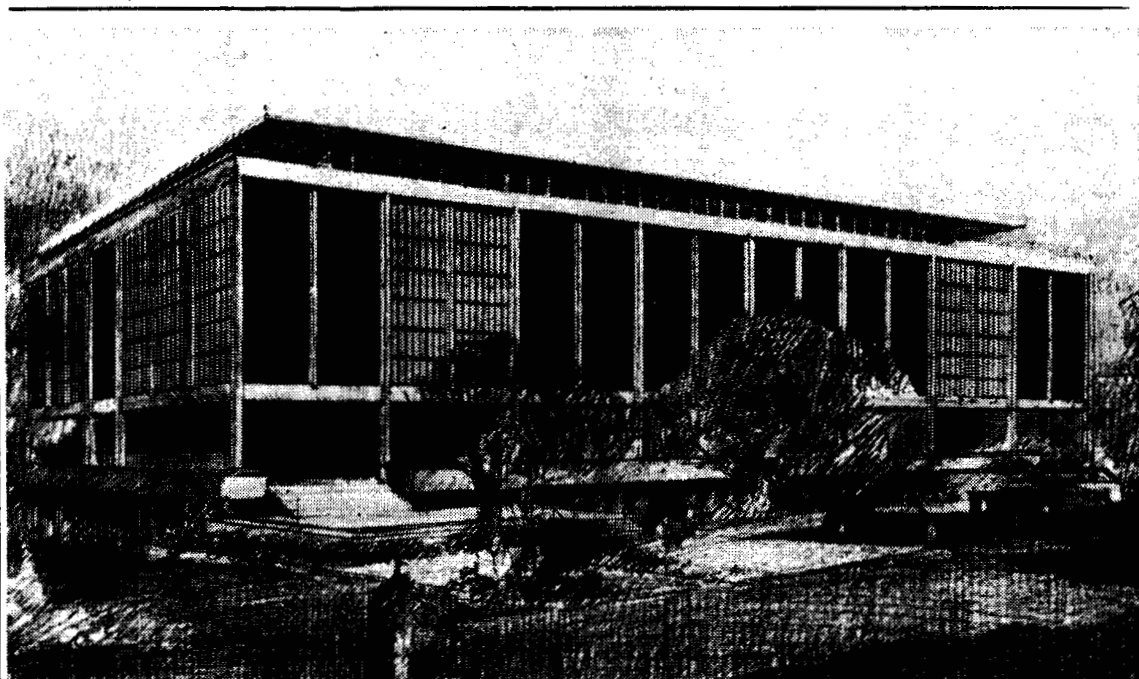
The students are Jennifer Carrick of Spokane, and Helen Hill of Seattle, both of whom received \$100 awards. Miss Carrick, a languages student, hopes to enter the foreign service after graduation, while Miss Hill, a marine biology student, plans to teach or work in a government research station.

A committee of Seattle graduates made the awards.

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CONSTRUCTION of the first phase of the new fine arts centre has begun on the parking lot at the north end of the main mall. The four-storey building will provide facilities for the school of architecture, and the departments of theatre and fine arts. Later phases of the centre will include an art gallery, a theatre, and a museum of man for anthropology displays. The Canada Council has granted UBC \$567,500 for construction of the building, which will be completed in March, 1962.

ONE HALF IN FORM OF LOANS

One Third of Students Receive Financial Aid

About a third of all students attending the University of British Columbia last year received some measure of financial assistance according to figures released today by UBC's board of governors.

During the 1959-60 session 5786

awards totalling \$1,337,738.09 were made as compared to 3381 awards for a total of \$867,399.70 during the previous year.

Dean Walter Gage, chairman of the UBC awards committee, said the number of awards made does not represent the number

of individuals assisted since some students receive more than one award. About half of the 1959-60 total was in loans which will be repaid.

During the 1959-60 session students received awards from six principal sources.

1. University special bursaries and named bursaries — 1052 awards for a total of \$159,122.50.

2. Fellowships, scholarships, and prizes — 834 awards for a total of \$251,419.59. Awards in this category were made to students with outstanding records and high academic standing.

3. Loan funds—901 awards for a total of \$266,338. Students are required to repay these loans either at the end of the term or following graduation.

4. Money from the student aid loan fund was distributed to 841 students for a total of \$396,420. The University was authorized by the provincial government to borrow up to \$2 million to provide for student aid under this scheme.

5. Government of B.C. scholarships for first and second class students were awarded to 1540 persons for a total of \$202,788.

6. Government of B.C. bursaries to deserving students were awarded to 528 individuals for a total of \$61,650.

A second set of figures released by the board shows that endowment funds for scholarships, bursaries, prizes, and loans have more than doubled during the period from 1955 to 1960.

In 1955 the total amount invested for awards was \$700,372.18. In 1960 the amount invested was \$1,508,310.17 — an increase of \$807,937.99.

W. L. Holland Named to Head Asian Studies

Dr. N. A. M. Mackenzie has announced the appointment of William L. Holland, secretary-general of the Institute of Pacific Relations in New York, as head of UBC's department of Asian studies.

The president also announced that the quarterly journal "Pacific Affairs," which Mr. Holland edits, would be published at UBC beginning January 1, the date Mr. Holland's appointment became effective.

President MacKenzie described UBC's program of Asian studies as "one of our most important post-war developments." He said the growing importance of the far east in world affairs and B.C.'s strategic location made the strengthening of Asian studies a logical development.

UBC first offered courses in Asian studies in 1949. Courses in the Japanese and Chinese languages as well as courses in the history and culture of those two countries are offered.

Mr. Holland is a New Zealander by birth and a graduate of the University of New Zealand where he obtained the degrees of bachelor and master of arts.

Mr. Holland's association with the Institute of Pacific Relations began in 1929 following graduate

work at the University of Cambridge and in Germany.

The Institute, formed in 1925, has as its objective the study of the economic, social, and political relations of the peoples of the Pacific area through conferences, research, study groups, and publications.

Mr. Holland served the Institute as research secretary in Shanghai, Peiping, Tokyo, and New York, and was in charge of the Institute's Tokyo office in 1934 and 1935.

He was acting director and later director of the U.S. Office of War Information in Chungking, China, during World War II.

In 1946 he was appointed secretary-general and in 1947 research director for the Institute in New York. From 1949 to 1958 he visited almost every country in the far east.

Mr. Holland is the author of numerous articles on far eastern affairs and has co-authored a number of books on Pacific and Asian problems.

Alumni Prepare Displays

UBC's Alumni Association will prepare two pictorial displays and sponsor a series of lectures during Open House on March 3 and 4.

A committee of four graduates under Alec Rome, B.A.Sc '44, has been formed to arrange the displays and organize the lectures.

Planned are:
• A picture history of the physical development of the University from its beginnings up to the present day.

Panels of pictures depicting phases of the University's development will be on display in the art gallery linking Brock Hall with the new annex to the building.

Mr. Rome appealed to graduates who have old photographs of UBC buildings to lend them to the committee for this occasion. Graduates wishing to lend photos should call the Alumni Association's offices at Castle 4-4366.

• A picture quiz of prominent graduates of the University. Pictures of graduates who have distinguished themselves in public life or through community service will be mounted on a panel in a room in the Buchanan building.

Visitors will be handed information sheets giving details of the individual's career. They will be asked to identify the graduate by name. Prizes will be awarded for the most correct answers.

• A series of lectures by leading members of the faculty will be held in the Buchanan building Friday night and Saturday afternoon and evening. About 15 lectures will be staged at 5, 7 and 9 p.m. Friday and 1, 3, 5, 7 and 9 p.m. on Saturday.

UBC professors will lecture for about half an hour on a subject of their choosing.

Almost every faculty, school and department of the University is planning a display for the two-day event which is expected to attract more than 100,000 people.

Visitors will also see the non-academic side of life at the University as reflected in the activities of student clubs, most of which are planning displays.

UBC to Purchase Judaica with Gift of \$3500

A gift of \$3500 has been made to the UBC library for the purchase of a special collection of Judaica.

Funds were raised by the Canadian Jewish Congress to commemorate the bicentenary of Jewish settlement in Canada. Mr. Hy Altman presented the gift to President N. A. M. MacKenzie at a dinner in the UBC faculty club.

UBC's librarian Neal Harlow expressed appreciation for the gift and said it was his hope that the Judaica Library would be the beginning of a collection which would be the best of its kind west of Toronto.

The book collection will deal with Judaism as well as the historical and cultural life of the Jewish people. The Canadian Jewish Congress hopes to augment the collection in the future.

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JAMES A. BANHAM, editor

LARÉE SPRAY HEIDE, assistant

UNIVERSITY INFORMATION OFFICE

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PRESIDENT SPEAKS OVER CBC

Report to the Province

(On December 15, 1960, President N. A. M. MacKenzie gave his annual report to the province over the Canadian Broadcasting Corporation. What follows is the text of the report.)

The University of British Columbia continues to be one of the most vital, exciting and rapidly developing institutions anywhere in the country. This is probably because the University is concerned with the young, intelligent and optimistic section of the community, and because for all of us throughout the country, and particularly for our young people, education will and does provide not only the possibilities of a better life for individuals but the answer to many of our problems, including the economic and financial ones.

Last year our maximum enrolment was 10,600; this year on a comparable basis it is 11,800. This means that this year we have more than 1,200 over and above our last year's total. In addition, 4,250 attended our summer school (for credit in academic courses) and 400 our summer schools of public affairs and the fine arts. This year we have enrolled or expect to enroll 15,000 in our night classes and other offerings, some of which are given in outlying parts of the province, for example Prince George (English literature) and Winfield in the Okanagan (mathematics).

This increase in enrolment is, as most of you know, due to the very rapid increase in the number of young people resident in British Columbia, and, happily for all of us, this increase will continue indefinitely over the years ahead. This means that, each year, the government of the province—and other governments too, I hope—must provide more money for more buildings, for more teaching staff, and for more supplies and equipment. If we are to meet the proper and legitimate demands and needs of all of our people, and particularly that most important group, our young men and women, there is no escape from this.

In Victoria, our sister institution, Victoria College, has an enrolment of over 1,400 students in its regular courses for credit in the faculties of arts and science and education, and it too had a most successful summer school with 700 students, and conducts an active evening class program.

We at UBC are all happy to learn that Victoria College has received or has been promised more than \$2,000,000 in its campaign for funds, and expects before long to reach its objective of \$2,500,000. This, together with the matching monies which the provincial government has promised, will enable it to expand its facilities and to provide a thoroughly good education for an increasing number of our young people.

The University itself is within a few thousand dollars of its \$10,000,000 objective, and gifts and bequests continue to come in from time to time, so that I hope and expect that when I talk to you again next year, I will be able to report that we have gone well over the ten millions that we set as our objective in our own campaign for funds. With this money and grants from the Canada Council and the provincial government we have been constructing a number of permanent and fire-resistant buildings on the campus. Any of you who have had occasion to visit the University will realize the extent of activity in this construction field.

We are particularly happy that so much of this construction is going on at a time when we can provide badly needed employment to a substantial number of wage earners in this community, and we hope that further funds will be forthcoming

from the provincial and federal governments to enable us to continue this program for, despite many new buildings, we have a substantial backlog of unmet needs. We continue to use—and use to capacity—the more than 300 army huts we brought to the campus for the veterans, and use too all of the original frame and stucco buildings in which the University began its operations at Point Grey, though these, like the huts, were thought to have and should have a limited use expectancy.

But more important than these deficiencies is the continuing growth in our student body, which means that each year we must provide classrooms, laboratories and other facilities for over 1,200 new students and the fact is that we are barely keeping up with this increasing student enrolment.

Our students, as all of you will agree, I am sure, are a most attractive and interesting group of young men and women from all parts of this province, from all across Canada and from practically every country throughout the world. The proportions are somewhat as follows: from the Greater Vancouver area about 54%, from the rest of British Columbia about 32%, from other provinces of Canada 7%, and 5% from 65 countries throughout the world.

Some may ask why we in British Columbia should be providing higher education for students from other parts of the country and the world. The answer is that this has always been part of the function and the glory of universities and is permanently interwoven with the title "university." The bringing together of young people of different and varied backgrounds, cultures and traditions is part of the exciting business of higher education, and no institution that does not experience it is really a university in the best and accepted senses of that term.

As to the costs involved, they are more than balanced by the numbers of students from British Columbia who, ever since this province was settled, have gone off and still go off to other great universities across the world. And in this change and interchange we feel and hope will be found part of the answer to the problems that must be solved if we are to live together in some measure of peace and security in a modern and highly complex world.

In this area of costs, I would like to emphasize that higher education is as much the right and privilege of our young people, provided they have the ability and the desire and the willingness to do hard work, which are all essential in university education, as is education at the primary and secondary levels. Higher education is, and must be, thought of as the third stage in our program of public education, and the taxpayers and our governments must be prepared to accept responsibility for it in the same way that they now do for our elementary and secondary schools.

Athletics and extra-curricular activities play an important part in the life and the education of students. We at UBC believe that our students should get enjoyment and relaxation out of athletics and should be more concerned with the maximum participation by everyone than with the concentration on the experience, skill and competence of a few highly trained and athletically gifted individuals. However, we have shown over the past ten years that, when our young men are prepared to give the time and make the sacrifices, with dedicated and highly qualified leadership, they can prove to the world that

CONTINUED ON PAGE THREE
See Common Authority

FACULTY ACTIVITIES

Medical Professor Gives Boston Lecture

DR. WILLIAM C. GIBSON, professor of the history of medicine and science in the faculty of medicine, addressed the Benjamin Waterhouse Medical History Society in Boston, Massachusetts, last November.

Dr. Gibson was chosen to give the first John B. Rhoads Memorial Lecture, in honour of a young Boston University medical student who died last year.

DR. H. PETER OBERLANDER, associate professor of planning in the school of architecture, has been chosen one of four judges of an international competition in connection with the 1962 "Century 21 Exposition" to be held in Seattle, Washington.

To focus attention on the event a large structure symbolic of the worlds fair is to be built in the center of the exhibition site and an international competition for its design is being sponsored by the Seattle Art Commission.

Some 800 submissions are expected for the competition which will be judged by an architect, a landscape architect, a planner and a sculptor.

DR. SAMUEL R. LAYCOCK, a special lecturer in the faculty of education, and former dean of the college of education at the University of Saskatchewan, was awarded an honorary degree by that University last year.

PROFESSOR MALCOLM F. MCGREGOR, head of the classics department, is on leave of absence until the opening of the next session. He is visiting England by invitation to lecture at Cambridge and Oxford and in April will travel to Athens to visit the American School of Classical Studies.

PROFESSOR J. E. BIER, of the department of biology and botany, has accepted an invitation from the International Union of Forest Research Organizations to act as a corresponding member on an intersectoral working group to investigate forest research problems in relation to tree physiology.

PROFESSOR L. W. SHEMILT has resigned from the department of chemical engineering to go to the University of New Brunswick, where he took up duties as head of the chemical engineering department in that University at the first of the year.

DR. JOHN FRIESEN, director of the extension department, was in Toronto during January to attend a meeting of the 1962 education year committee of the Canadian Conference on Education. Dr. Friesen is associate chairman of the Canadian Conference.

DR. R. D. RUSSELL, associate professor in the physics department, has received word from Russia that a book which he co-authored with R. M. Farquhar, of the University of Toronto's department of physics, is to be published in the USSR. The book is entitled "Lead Isotopes in Geology" and is published by Interscience Publishers Inc., of New York and London.

Three members of the department of mathematics attended meetings of the American Mathematical Society in Washington, D.C., during January.

PROF. RALPH JAMES, head of the department and editor of the American Mathematical Monthly, discussed problems concerning the magazine. DR. NATHAN DIVINSKY presented a paper on Kurosh radicals while AFTON CAYFORD discussed a special type of entire functions.

Following the meetings in Washington Dr. Divinsky visited New York to discuss with officials of the U.S. Chess Federation a possible match between Canada and the U.S. Prof. Divinsky is the editor of Canadian Chess Chat, Canada's only chess magazine.

STANLEY PECH, assistant professor in the department of Slavonic studies, will visit universities and institutes in Germany specializing in the study of German-Slav relations this summer for four weeks at the invitation of the German Research Association, the central coordinating body for all research done in Germany. He will visit 10 or more institutions in the course of his tour.

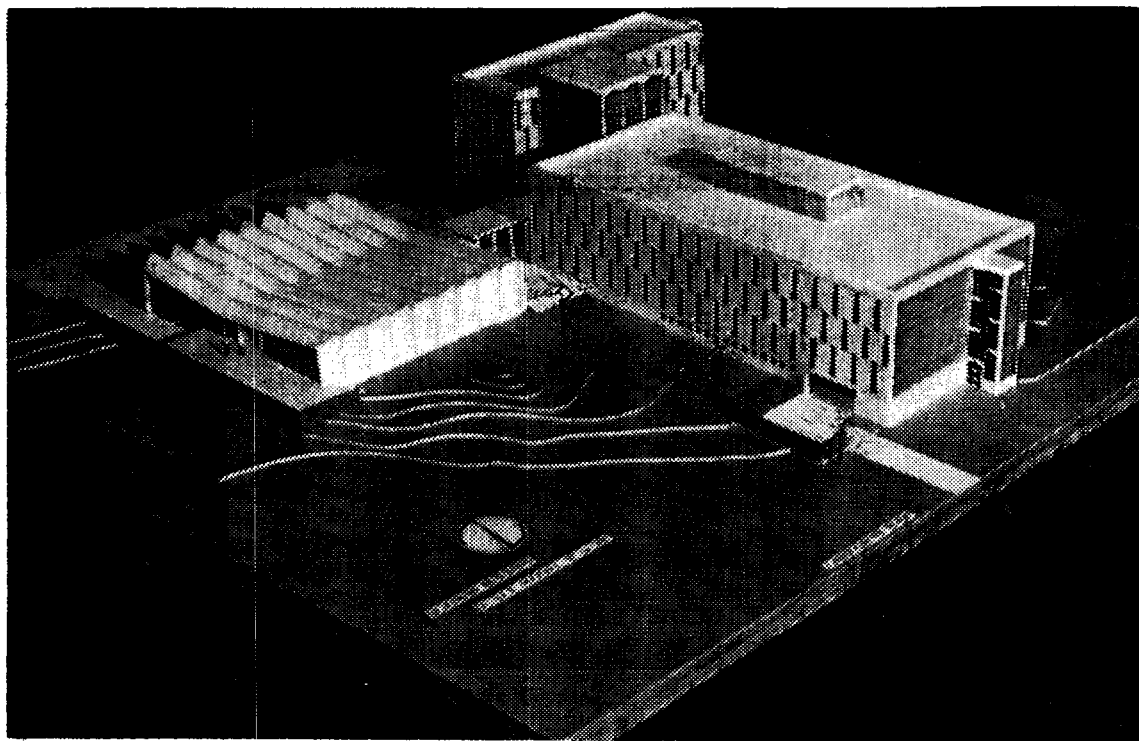
Three members of the faculty of pharmacy have been appointed to the four-man B.C. Board of Examiners in Pharmacy for the current year. They are DR. GORDON GROVES, DR. J. E. HALLIDAY and TERENCE BROWN. The board examines applicants for registration as students of pharmacy and outside graduate pharmacists who wish to work in B.C.

PROFESSOR H. B. HAWTHORN, head of the department of anthropology and sociology, has been awarded the Percy Smith Medal in Anthropology by the council of the University of Otago in New Zealand. The medal is awarded once every five years to a graduate of a New Zealand university and is named for a pioneer of anthropology in the Pacific. First awarded in 1920 the medal is given in recognition of published work in the field of anthropology.

Among full time members of the faculty of medicine attending the October conference sponsored by the Canadian Arthritis and Rheumatism Association in Toronto were DR. DENYS FORD and DR. HAROLD TAYLOR.

LORNE E. BROWN, associate professor, college of education, attended the recent national convention in San Francisco of the American Public Health Association and the American School Health Association.

GRANT VINCENT, school of physical education and recreation, has been appointed chairman of the ballroom examination committee of the Dance Educators of America, Inc., Long Island, New York.



PLANS are now being prepared by the provincial government's department of public works for a new science building at Victoria College. The building, shown in an architect's model above, has a six-room lecture wing and a three-storey classroom and laboratory wing for physics, chemistry and biology. Construction of the building is expected to start this spring.

PAUL BUILDING NOW OPEN

College Names Buildings for Pioneer Educators

Two buildings at Victoria College will bear the names of three distinguished pioneers of the College, it was announced recently.

The normal school, now part of the campus, is to be named the Henry Esson Young building in memory of Dr. Young, a former B.C. minister of education and his wife, Rosalind, who taught at Victoria College in 1903.

The new classroom-office building, which was opened January 18, has been named for Dr. E. B. Paul, the first principal of Victoria College.

The new building, which contains 11 lecture rooms and 30

faculty offices, was opened by the Honourable W. A. C. Bennett, the premier of the province. Also in attendance at the ceremony was His Honour Lieutenant-Governor George R. Pearkes and President N. A. M. MacKenzie.

Dr. Henry Esson Young was MLA for Atlin and minister of education from 1907 to 1915. He was also a pioneer in the field of public health. He died in 1939.

Mrs. Young taught the first class of seven registered at the Normal School in 1903 and still lives in Victoria.

Dr. E. B. Paul was first principal of the College in the period of its affiliation with McGill Uni-

versity. He became principal when the College was re-established in 1920 and remained in that position until his retirement in 1927.

★ ★ ★

Victoria College has made a preliminary application to the federal government to borrow funds through Central Mortgage and Housing for construction of student residences.

UBC has already made arrangements to borrow funds for residence construction under the new legislation announced in the speech from the throne late in 1960. (See story this page).

UBC's Librarian Goes to Rutgers University

Neal Harlow, UBC's librarian, has resigned to become dean of the graduate school of library service at Rutgers University in New Brunswick, New Jersey, President N. A. M. MacKenzie has announced.

President MacKenzie said Mr. Harlow had made an outstanding contribution to the growth and development of UBC library during the ten years he was a member of the faculty.

"The fact that UBC possesses one of the best libraries in Canada is, in large part, due to his efforts," the president added.

Mr. Harlow was responsible for the formation in 1956 of the organization known as The Friends of the University Library. The group was instrumental in obtaining notable collections of Canadian and Chinese literature which have placed UBC in the forefront of studies in these fields.

PLANNED LIBRARY

He also planned the recent reorganization of the UBC library which included construction of the new library wing named for Walter C. Koerner, a member of the UBC board of governors, who was one of the most generous of the Friends of the University Library.

In his new post Mr. Harlow will head one of the leading schools on the continent for the training of librarians. Rutgers is known as "The State University of New Jersey" and was given its charter by George III as Queens College in 1766.

Contract Awarded for Four New Women's Dorms

The University of British Columbia has announced plans to construct four new residences for women at a cost of \$1,660,000.

President N. A. M. MacKenzie said UBC would borrow funds through Central Mortgage and Housing which has been authorized to lend money to universities for residence construction.

Prior to the federal legislation enabling Central Mortgage and Housing to lend money to universities for residences the provincial government had authorized the UBC board of governors to borrow money for construction of two residences, the president said.

As a result of the later federal legislation, the board had decided to extend the contract for two residences to four, the president said.

The construction contract for \$1,293,332 has been awarded to Dawson and Hall Ltd. The residences, which will be ready on September 1 of this year, will accommodate 336 women students.

Retired Professors Honored

UBC's senate has conferred the title of professor emeritus on two retired faculty members, President N. A. M. MacKenzie has announced.

The two honoured were Professor A. C. Cooke, a member of the history department since 1929, and Professor F. S. Nowlan, who was a member of mathematics department from 1926 to 1947.

Professor Cooke, a graduate of the University of Manitoba and Oxford, is still teaching in the history department as a special lecturer.

He is an authority on colonial history and administration with special interest in the Commonwealth. In 1956 and 1957 he was on a year's leave of absence in Africa where he was engaged in research on British colonial history and administration.

Professor Nowlan was a member of the mathematics department of the University of Illinois from 1947 until 1954. Since his retirement he has been a visiting professor at the College of William and Mary, Williamsburg, Virginia, and the University of Houston, in Houston, Texas.

In the 1930s Professor Nowlan initiated and carried out negotiation with the Carnegie Corporation in New York which resulted in two grants of \$75,000 to establish fellowships for Canadian students to carry out postgraduate work.

The fellowships, which were administered by the Royal Society of Canada, were for \$1,500 each. Ten were available each year for ten years.

As a result of Professor Nowlan's efforts, Mr. Cyrus Eaton, the industrialist, established two \$1,000 fellowships in mathematics for Canadian students to do postgraduate work in mathematics at the University of Chicago.

The two students who held the fellowships were Professor Ralph James, now head of UBC's mathematics department, and Dr. Ralph Hull, former head of the mathematics department at Purdue University.

While at UBC Professor Nowlan wrote a textbook on analytical geometry which was at one time used in more than 50 Canadian and American universities.

CONTINUED FROM PAGE TWO

Common Authority Urged for B.C.

Canadians are among the world's best and greatest in the fields of athletics. I have in mind the fact that our crews have won gold and silver medals at the British Empire Games, at Henley and at the Olympics at Melbourne and Rome, and in winning these proved themselves to be better oarsmen and athletes than those from Britain, from Russia and from the United States.

Because of the increase in our enrolment, questions are frequently asked about whether we should limit our numbers and whether we should engage in a general program of decentralization of higher education in the province. These are difficult matters to deal with in a few sentences, but I personally believe that until there are better ways of determining the suitability of men and women for higher education, the policy we now follow of admitting all of those who qualify in the matriculation examinations and who have the desire and the necessary finances, to our first year and of giving them the opportunity, on the basis of trial and error, to demonstrate that they have the motivation, the willingness to do hard work and the particular kind of intellectual ability which are all essential to success in a university, should be continued. It is true that a number do fail to measure up to our standards but if our kind of education is good, and I believe it is, then even for these who drop out, the year spent at the University is a useful and worthwhile experience, and as long as we can provide the accommodation and pay the costs, we should carry on with our present policy.

As for decentralization: in theory there is a great deal to be

said in its favour, though I claim that no institution can be a really great university without great library collections, expensive and complicated scientific equipment and laboratories and distinguished and outstanding members of staff, and these one rarely if ever finds in a small centre. Furthermore, the distribution of population in British Columbia has determined and will continue to determine in very large measure the organization of higher education within the province, this because, to justify the capital and overhead expenditures, there must be at least a minimum population of both citizens and students in any one centre. The fact is that the bulk of the population of British Columbia is concentrated in the greater Vancouver, lower mainland and greater Victoria areas, and there are no large concentrations of population in any other parts of the province at present.

The other matter is of course the ability and willingness of the people in the province and their governments and legislatures to provide money for higher education. If we wish this to be excellent and also wish some measure of decentralization, then it is absolutely essential that substantially more money than is now being made available for higher education be provided in the future. No sensible person would agree that the downgrading of our present institutions and facilities in order to provide other second rate training would be wise or desirable.

Personally I favour a substantial measure of decentralization provided it is carried out intelligently and at the proper time.

To ensure that we develop in British Columbia the best system

of higher education that we can devise, two things are essential: first, a thorough study of our circumstances, problems and needs should be made by a small committee or commission of informed men and women. This committee should, in my opinion, be appointed by the government in consultation with the University, Victoria College, and some of the interested groups throughout the province. Its opinions and recommendations should be of value and assistance to the people of the province and to the government and legislature in respect of decisions that they will be called upon to make in the near future.

The second essential is to ensure that there is a general supervision of the development and financing of all higher education in the province that is supported by our general tax revenues. While I believe that the various institutions operating in this field should have the maximum autonomy in respect of their own affairs, I am convinced that a common or single authority must be set up which will consider requests for public funds, present these requests to the government and legislature, agree upon the division of the funds voted by the legislature, and also have control of any major expansion of services or offerings, e.g. the establishment of new and possibly competing faculties and professional schools.

If these two suggestions are accepted, then there will be much less likelihood of a wasteful duplication of services and facilities and of political pressures which might result in unwise competition based on local prestige and prejudice rather than the over-all good of the province.

Group Formed to Aid UBC's Music School

A new organization to encourage support of the school of music at UBC has been formed through the Community Arts Council.

Organizing the new group is Professor Leonard Marsh, director of research in UBC's school of social work and chairman of the Community Arts Council's music division.

About 50 persons in all parts of the province have already signified their interest in such an organization, Prof. Marsh said.

"We are particularly hopeful

that graduates of the University will give their support to this new development," Prof. Marsh added.

Purpose of the new organization, which will operate on a province-wide basis, will be to encourage support of the music school, now in its second year of operation, through scholarships, donations of musical instruments, books and manuscripts and other projects.

An organizational meeting will be held in February to decide on a name for the organization and to discuss future plans.

LONG-TERM PROJECT

Biochemists Probe for Nucleic Acid Secrets

Two scientists in the department of biochemistry at UBC have begun a long-term research project supported by a grant of \$74,461 from the public health service of the Department of Health, Education, and Welfare of the United States government.

They are Dr. Gordon Tener and John Vizsolyi, who are both members of the world famous group at the B.C. Research Council headed by Dr. Har Gobind Khorana, who revealed in 1959 that Coenzyme A had been produced synthetically in the Council's laboratories at UBC.

Dr. Khorana left the Council in September, 1960, to become a director of the Institute for Enzyme Research at the University of Wisconsin.

Dr. Tener, who joined the UBC biochemistry department in April, 1960, plans to add a third person, a post-doctoral research student, to his current team, which will study the biochemistry of nucleic acids, the basic genetic material for all living things.

Every living cell contains a fixed amount of nucleic acid, Dr. Tener explains. The nucleic acid is made up of nucleotides which are strung out like beads on a string.

The sequence of nucleotides is actually a code which determines the form of life which will result from the lowest to the highest. In man, an additional function of the nucleotide sequence is the determination of such things as the color of hair and eyes.

Certain nucleotide sequences are common to all individuals. Dr. Tener says, but the lack of specific sequences is thought to produce various diseases such as certain types of anemia and mental deficiencies. Another sequence undoubtedly endows an individual with the qualities of genius.

Dr. Tener and his associates will attempt to discover exactly what sequences are necessary to produce various individual char-

acteristics.

"Our first project," he says, "will be to develop techniques for removing the nucleotides, one by one, from the nucleic acid chain." Then will begin the process of identifying and analysing them and finally attempts will be made to correlate the sequences of nucleotides with genetic observations.

Since there are known to be about 20,000 nucleotides in any one nucleic acid chain, Dr. Tener

expects that even the initial phases of the project will occupy him for some years to come.

The work being carried out by the research team falls into the category of basic research which means that no immediate practical results are expected aside from the expansion of knowledge.

However, geneticists and cancer researchers will be watching the experiments closely since the results may give clues to work being done in their fields.

Extension Continues Provincial Workshops

UBC's extension department is continuing the series of painting, music and drama workshops which were held in numerous provincial centers during the fall of 1960.

Painting workshops, under B.C. artist Cliff Robinson, will be held in Kelowna, Vernon, and Kamloops in February, and at Lytton, Lac La Hache, and Powell River in March.

Music workshops devoted to theory and to specialized choral and instrumental instruction were held at Prince Rupert in January. Additional workshops will be held in Victoria in February; Kitimat in April, and Penticton in March.

B.C. actor, director and adjudicator Sam Payne, field drama

supervisor of the UBC extension department in the absence of Mr. Sidney Risk, conducted a five-week drama course at Ladysmith from January 7 to February 11, and at Terrace from February 17 to March 25.

Holiday Theatre is currently making arrangements to conduct workshops in children's theatre at three centres in the province in either April or May.

Four UBC lecturers are visiting five interior centres during January and February to lecture on the United Nations, music, German affairs, and literature.

Lectures are being given in Armstrong, Revelstoke, Salmon Arm, Kamloops, and Merritt from January 16 to February 10. The four speakers will visit each of the interior points to give one lecture.

Guest speaker for the first week of lectures was Gordon Selman, associate director of the UBC extension department and president of the Vancouver branch of the United Nations Association. Mr. Selman's topic was "The UN: the record and the dilemma."

Dr. G. Welton Marquis, head of the UBC music school, delivered the second week of lectures. His topic was "Music in Canadian culture."

"Germany: key to European security" is the topic to be discussed by Dr. John Conway, an assistant professor in UBC's history department, in the third week of lectures.

Final speaker will be Gordon Elliot of UBC's English department who will speak on "British Columbia—some writers' views."

A total of 5882 persons are enrolled for extension department and commerce faculty night courses.

Liberal arts courses administered by the extension department have enrolled approximately 3700 persons while various certificate and diploma courses in commerce have registered 2182.

Second UBC Crew May Go to Henley

UBC may send another rowing team to the Royal Henley Regatta which will take place in July.

The last time a UBC crew went to the international meet they electrified the world by defeating the highly-touted Russian rowing crew in the semifinals. They ran a close second to the American crew in the finals.

Since then the crew has won gold and silver medals at the British Empire and Commonwealth Games and the 1960 Olympics.

During May the crew will take part in three meets against west coast universities. On May 13 they will row against Oregon State at Corvallis. On May 20 they will take part in the west coast regatta at Seattle and a week later the crew will take on the University of Washington, also at Seattle.

About 50 students are turning out for training sessions. A few members of past award-winning crews are taking part in the training program together with a new and enthusiastic group.

Training sessions are still being held on Coal Harbour. Trials were held on the lower Fraser near the University recently to determine the possibility of using this site as a training area.

It was found to be unsuitable owing to the strong current, driftwood and river traffic.



WILLIAM L. Holland became head of the department of Asian studies at UBC on January 1. He will also continue to edit the learned journal "Pacific Affairs" at UBC. See story on page 1.

UBC Professor Heads Uranium Research Program

Professor Frank Forward, head of the department of mining and metallurgy at UBC, has been named director of a \$1,250,000 research program to develop new uses for the element uranium.

The new "Canadian Uranium Research Foundation" will be supported by five major uranium-producing companies in Canada. The foundation expects to spend about \$250,000 per year.

Prof. Forward said the foundation would make grants to individuals and organizations best qualified to take on projects which would discover new uses for the element.

Because of over-production of uranium and the fact that the nuclear-power industry takes limited amounts of the metal the remaining Canadian mines face the prospect of closing by 1965 unless new markets are found.

Last year Professor Forward was the recipient of a John Scott award from the city of Philadelphia in recognition of his development of the ammonia leach process for recovering nickel which is now in use at Sherritt Gordon Mines.

In 1959 Prof. Forward was honoured by the American magazine Mining World for the most outstanding technical achievement of that year. The invention was a leaching process for the extraction of zinc.

University Gets IDA Certificate

UBC has been awarded the Investment Dealers' Association of Canada certificate for "outstanding public service in investment education."

The certificate was presented to President N. A. M. MacKenzie by Eric D. Morse, IDA president, at a luncheon in Vancouver.

In making the presentation Mr Morse said UBC "has made a profound contribution to one of our principal objectives — instructing the public about the investment process and the opportunities that are available to Canadians."

Search for Graduates to Continue

UBC Reports has now published the names of all those graduates who have failed to inform the Alumni Association of changes of address.

Since other names have been added to the list since we began this project we are starting again at the beginning of the alphabet. If you know the whereabouts of any of the graduates listed below fill in the coupon at the bottom of this page and mail it to the Information Office, UBC, Vancouver 8, B.C.

Harry Sidney Weiner, BASC '43; Elvira Weins, BA '44; Elizabeth Weir, BA '30; Richard Donald Wells, BASC '49; Robert Albert Wener, BA '45; Edgar B. Whelan, BA '40; Wm. B. Whiddington, BA '49; Judith F. M. Whitaker, MA '51.

Alice M. G. White, BA '29; Douglas Allen White, BA '48; Mary Jacqueline White, BSA, 47, MSA '49; Mrs. Ronald Whately, BA '39 (Isabel M. Sullivan); Mrs. Hazel Mary Wigdor (Dunbar) BA '39; Gertrude Louise Wilbur, BA '40.

Margaret C. Wilkins, BA '51; Roderick John Wilks, BCom '48; Dorothy E. D. Williams, BA '47; Francis J. D. Williams, BA '51; Ruth Enid Williams, BA '40; Alan Joseph Wilson, BCom '48.

Atholl Wilson, BA '45; David E. Wilson, BA '51; Emma Wilson, BA '33; Mrs. E. Donald Wilson (Luelle Mannix) BA '43; Garnet R. Wilson, BCom '49; George Wilson, BA '41.

Mrs. Heward Wilson, BA '33, MA '35 (Margaret Maciver); Idele Louise Wilson, BA '31; Lucy Roberta Wilson, BA '41; Robert Morris Wilson, BA '34; Ronald S. Wilson, BA '50; Mae Belle Wilson, BASC '48; Wm. George Wilson, BA '33; Walter Ernest Winter, BA '47.

Mrs. Nicholas F. Wishlow, BA '43 (Mary Isobel Hyslop); Charles Wong, BASC '31; Mrs. Charles Wong (Rose Dorothy Chu) BA '34; Elsie Wong, BA '48.

David George Wood, BASC '42; Walter John Wood, BASC '50; Cyril Gordon Woodbridge, BA '35; Mrs. Alan H. Woodcock (Marion Eleanor G. Rosa) BA '34; Helen Dorothea Woodcroft, BA '42; Ila Rae Woodman, BA '50; Donald Sidney Wright, BA '50; Irene May Wright, BA '40.

John Charles Wright, BCom '50; Stewart Wylie, BA '40; George S. Yamashita, BCom '42; Mary A. Yeardye, BA '48; Haruo Yonemoto, BA '23; David L. G. Yule, BA '48; Victor A. Zanavoroff, BASC '36; Ruth Estelle Abbott, BA '33.

James H. Adamson, BA '50; John Lester Adshead, BA '48; Wm. Noel Agnew, BA '37, MA '38; Athena Alexander, BA '42; Lloyd George Algar, BCom '48; Albert Gerald Anderson, BA '49; Arthur Lloyd Anderson, BA '34; Frances Maud Anderson, BA '33; Mrs. J. W. Anderson, BA '25 (Marion G. Sutherland); Margaret D. Anderson, BA '36; Stanley Henry Anderson, BA '34; Tetauo Aoki, BCom '41.

Foundation Gets \$20,000 for UBC Scholarships

Three separate bequests totaling \$20,000 have been made to the Vancouver Foundation to provide UBC students with scholarships.

A scholarship and bursary fund will be established for deserving students through an \$8500 bequest from the estate of the late Archibald P. Glen.

Grants to science students will be made as the result of a bequest of \$5600 from the late Edward J. Meilicke and social work students may apply for grants from a \$6000 bequest by the late C. T. McHattie.

The funds will be invested by the Vancouver Foundation and the interest turned over to UBC for award to students.

Please correct your address below if necessary.

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4580 W. 1st Ave.,
Vancouver 8, B. C.

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University of B.C., Vancouver 8.

Do you know any of the graduates named above? Please list below:

Name _____
Address _____
Name _____
Address _____