1965-1966

REPORT OF THE PRESIDENT

THE UNIVERSITY OF BRITISH COLUMBIA

THE UNIVERSITY OF BRITISH COLUMBIA

REPORT OF THE PRESIDENT

for the Academic Year 1965-1966

BY JOHN BARFOOT MACDONALD

VANCOUVER, BRITISH COLUMBIA, 1967

DESIGNED AND PRINTED BY
THE MORRISS PRINTING COMPANY LTD., VICTORIA, BRITISH COLUMBIA

FOREWORD

The Board of Governors,
The University of British Columbia.

Mr. Chancellor and Gentlemen:

I take pleasure in presenting to you my report for the academic year 1965-1966. I have summarized the wide range of activity of the University and the Faculties, and have aimed to show the progress we have made and some of the problems which still beset us.

I trust that this brief review will be a source of satisfaction to you.

Yours sincerely,

JOHN BARFOOT MACDONALD

TABLE OF CONTENTS

Foreword 5

1. *The University* 9

2. *The Faculties* 14

3. *Other Departments of the University* 33

4. *Formal and Informal* 43

Changes in Faculty and Staff 47

Publications of the Faculty and Staff 57

I

THE UNIVERSITY

THIS YEAR MARKS the fiftieth anniversary of lectures at the University of British Columbia. The University of today is a far cry from the fledgling of fifty years ago. When we opened there were 379 students and a faculty of 34. The University was housed in four shingled shacks on Fairview Avenue near the Vancouver General Hospital, and in a building on temporary loan from the hospital. We have come a long way since then: in the academic year 1965-1966 more than 16,000 students were enrolled and the faculty totalled more than 1,000. The University is housed in some ninety-three buildings, not counting the huts.

With growth there has been generated in our society a curious mixture of myth and fact about what a big university is, not only the University of British Columbia but big universities in general. Many criticisms have been based on the premise that the rapid growth of the universities has created faceless, impersonal, educational factories where the neglected undergraduate is the forgotten man. The University of British Columbia attempts not to be callous, cold or indifferent to the welfare of students. Because it is big, the University is obviously less personal and intimate than it used to be, but there are opportunities for friendship between faculty and students for those with the initiative to seek them. Four years ago the first-year failure rate was 25%. Through careful raising of the admission standards and through counselling, this has been reduced to 15%. Counselling by faculty has increased greatly, and we have improved and strengthened our health services. We try to evaluate and reward good teaching, and we welcome the kind of responsible observations made by the Science students in their assessment of teaching.

This is not to say that we are without problems, but it suggests that we are concerned about students and we try hard to make this a university of which we can all be proud.

A major development during this academic year has been the expansion of the campus to its full size. As a major part of a $2 million dollar campus extension and improvement programme, a series of areas totalling 125 acres, separated by bands of trees, is being carved out of the second growth timber at the southern end of the campus. Eventually the whole 988-acre campus will be in use. This campus expansion programme coincides with the Provincial Highways Department plans to extend Sixteenth Avenue west from Blanca Street to meet Marine Drive on the south side of Point Grey. The section of campus between Agronomy Road and Sixteenth Avenue will be mainly used for student residences and parking areas. The section south of Sixteenth Avenue will be mainly used for research and field work. Sixty acres of the campus have been allocated to the development of a major arboretum and botanical garden. The land includes fourteen acres of already developed land and park and forty-six acres of undeveloped land. The major part of the undeveloped tract lies between the present curving Marine Drive and a proposed new straight Marine Drive where the Sixteenth Avenue extension will join it. The new roads will provide very easy public access.

In the new south campus will be located the National Institute of Astronomy. It will include an optional shop which will grind the 154-inch mirror for the Queen Elizabeth Observatory near Osoyoos. The Institute will analyse data provided by astronomers working at the telescope site.

A small boat haven on Homfray Channel was accepted by the University from the Reed and Sarah Hunt Fund. The property, some forty acres, is located fourteen miles north of Powell River. It has three-quarters of a mile of shoreline. Prideaux Haven will be maintained in perpetuity as an anchorage for pleasure craft, but will also provide an extremely promising area for research in fisheries and oceanography.

Certain experiments in the biological sciences will be helped considerably by the drilling of a 325-foot well at the southwestern corner of the Biological Sciences Building. For a number of reasons water from the city supply is unsuitable, and water from the well, supplied at the rate of sixty gallons per minute, is ideal in terms of

purity and chemical composition. The drilling of the well is one of the first steps in the expansion of the Biological Sciences Building to provide increased space for the Institute of Fisheries and Oceanography and the Departments of Zoology and Botany. A $6 million addition is currently being planned; funds for construction will be provided by the Provincial Government and by the 3-Universities Capital Fund.

Construction began in the summer on the new Music Building. Located between the Armories and the Frederic Lasserre Building, it will be part of the Norman MacKenzie Centre for the Fine Arts. The Centre, named on September 30, will consist of the Music Building, the Frederic Lasserre Building, the Frederic Wood Theatre and the proposed Museum and Art Gallery.

Construction of the Forestry-Agriculture complex is well under way. In the new complex the independent Faculties of Forestry and Agriculture will launch a joint teaching programme unique in Canadian universities. It provides for doubling the number of graduate students and for increasing by half the number of undergraduate students. Students in both faculties will be taught together whenever practicable. Each Faculty will have its own wing of the building, connected by a common block housing multi-purpose lecture-laboratories and class-rooms. The building will also contain a scientific and technical library of 35,000 volumes.

A beginning was made to the construction of the first section of the University's Health Sciences Centre. This stage of the project consists of facilities for psychiatric treatment. This psychiatric accommodation will contain 60 beds and will be part of a 410-bed, teaching, research and referral hospital which is the core of the centre. The Mr. and Mrs. P. A. Woodward Foundation provided an initial $4 million towards the Centre which will eventually cost $36 million. The Centre will inaugurate a pioneering concept in integrated teaching of all the medical disciplines. Of the 1,400 students in the Centre, only 320 will be training as doctors. The others will include those studying dentistry, dental hygiene, pharmacy, nursing, clinical psychology, social work and other related disciplines. The Centre will thus attempt to develop a true medical team.

The University has been endowed with a $500,000 trust fund to support the newly-established Eric. W. Hamber Professorship in Medicine. This gift is extremely important to the University: it is

the first fully-supported and perpetually-endowed Chair in the University.

The Institute of Fisheries received $750,000 from Dr. H. R. MacMillan. This will enable the Institute to expand into new areas of research. A member of the first U.B.C. graduating class, in 1916, Dr. Gladys G. Schwesinger bequeathed $117,755 to the University mainly to be used for expansion in the Department of Psychology.

A $1,500 scholarship has been set up to commemorate the late Chief Justice Sherwood Lett. Mr. Lett, who died in July 1964, was a member of the Senate from 1924 to 1957, a member of the Board of Governors from 1935 to 1940 and from 1951 to 1957, and Chancellor of the University from 1951 to 1957. He received his bachelor of arts degree at U.B.C. in 1916 while on active service and was awarded a Rhodes Scholarship in 1919. The qualities sought in candidates for the Sherwood Lett Memorial Scholarship will be very similar to those of the Rhodes Scholarship candidates.

The University has received two bequests from the estate of the late Dorothy J. Killam. These bequests, totalling $9.5 million, are in addition to a $4 million gift previously accepted. The three funds provide for teaching salaries, scholarships in advanced studies and general endowment purposes.

A gift of $100,000 in memory of the late Alan E. Williams has been made to the Health Sciences Centre. It is to be used for research into mental retardation in children.

The Director of the Office of Academic Planning, Dr. John D. Chapman of the Department of Geography, has returned to full time teaching and research. He was succeeded by Professor Robert M. Clark of the Department of Economics. Dr. Clark, a U.B.C. graduate and a member of faculty since 1946, will have as his duties the study and preparation of a variety of academic matters, including admission requirements, student fees, trends and proposals in curricula, failure rates and financial data.

Gordon R. Selman was appointed Executive Assistant to the President. Mr. Selman, a U.B.C. graduate, has been with the Extension Department for eleven years and has been the Department's Associate Director since 1960.

Dr. Malcolm F. McGregor succeeded John Haar as Director of Housing. Dr. McGregor has been well known for his active interest in student life since he came to the University in 1954. This is the first time an academic has held the post. This change

of policy is part of a plan to increase the academic content and atmosphere of the campus student residences. Such a change is an attempt to implement suggestions made in the 1964 report of the President's Committee on Academic Goals: Guideposts to Innovation.

The University Library has made two outstanding acquisitions this year. Thanks to the generosity of the graduating class of 1925, the Library is now in possession of the foremost collection in Canada of the works of Lewis Carroll. This gift of more than 400 items marks the fortieth anniversary of the class graduation and the centenary of the publication of "Alice in Wonderland". As a result of the accelerated book-buying programme, initiated last year through the support of H. R. MacMillan, the Library has been able to acquire a collection of seven thousand rare medical and scientific books. The collection, regarded as one of the finest of its kind under private ownership in Britain, belonged to Dr. Hugh Sinclair of Magdalen College, Oxford. Among outstanding items is a medical text published in 1641, belonging to Rembrandt's physician and containing a drawing said to be by the artist. There are also a medical text printed in 1481, original letters of Florence Nightingale and original examples of Einstein's early works. The acquisition places the University Library in the forefront of the world's scientific and medical libraries.

These are but a few of the many developments, achievements and changes that took place during the academic year 1965-1966. Obviously not all changes are to everyone's taste, and problems are never completely solved. It has been a year of great expansion. The University is large, and largeness creates problems for us all, administrative staff, faculty and students. But it also creates opportunities, through a larger faculty, through a greater diversity of programmes, through the availability of adequate equipment and good libraries. During this year quality has in no way been sacrificed to quantity, and the University of British Columbia continues to be an institution in which we can take a justifiable pride.

2

THE FACULTIES

THE FACULTY OF AGRICULTURE

THE ACTIVITIES OF THE Faculty of Agriculture have continued to be directed towards its major objectives in teaching, research and extension. During the period under review 45 students graduated with the degree of Bachelor of Science in Agriculture, and in the Faculty of Graduate Studies 13 M.S.A. and M.Sc. degrees and one Ph.D. degree were awarded to students who carried out their major studies in the Faculty of Agriculture.

The Faculty has been giving continuing study towards co-ordination of its efforts with government services in agriculture. Many of the ideas emerging from faculty discussions have found their way as decisions of the Provincial Co-ordinating Committee on Agricultural Services and also at the national level. During the year, the Canada Department of Agriculture added to its programme of extra-mural research contract grants a system of operating grants available to members of faculties within universities. The National Advisory Committee on Agricultural Services has under review the problems relating to the adequate staffing and equipping of university faculties to meet the changes required in the training of specialized agricultural personnel for Canada. It is anticipated that this committee will report to the N.A.A.Sc. in April 1967. The Faculty has made representations to the committee.

The work at the University Research Farm at Oyster River under Mr. Kansky has progressed well in spite of difficulties encountered due to unusually dry weather during the months of July and August. A study has been undertaken as to ways and means of

remedying this situation by the installation of irrigation equipment. It is hoped that a specific recommendation may be forthcoming during the session 1966-1967 for a solution to this problem.

The Forestry-Agriculture complex is proceeding on schedule, and has necessitated a great deal of effort on the part of members of Faculty through constant attention of construction details and other problems as the building advances. As it takes form, it is becoming increasingly apparent that the decisions taken with respect to co-ordination of effort and mutual use of facilities by our respective Faculties have resulted, through the efforts of the architect and ourselves, in a building which we hope to enjoy in the spring of 1967.

In January 1966, the first L. S. Klinck Lecture in Agriculture was given under the auspices of the Agricultural Institute of Canada. It was delivered by Dr. Norman E. Borlaug from the Rockefeller Foundation, and was well received This was an auspicious occasion for the Faculty in which it had the honour of inaugurating the L. S. Klinck Lectureship.

In the Division of Agricultural Mechanics, Professor Coulthard returned in January 1966 for, an F.A.O. mission to East Pakistan. In the Division of Animal Science, Dr. J. C. Berry returned from his mission to India under the F.A.O. Dr. W. D. Kitts of the Division of Animal Science has been awarded a grant by the Canada Department of Agriculture towards his research. In the Division of Plant Science, Dr. A. J. Penney received a British Council Award.

Among distinguished visitors to the Symposium on the Mineral Nutrition of Plants was Dr. P. C. DeKock, Head of the Department of Plant Physiology at the Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen, Scotland.

The National Research Council made a joint award to the Divisions of Animal Science and Poultry Science for the purchase of an amino acid analyser.

THE FACULTY OF APPLIED SCIENCE

Dr. W. W. Armstrong resigned as Head of the Department of Metallurgy to become Dean of the Faculty from January 1, 1966. Dr. E. Teghtsoonian was appointed Acting Head of the Department of Metallurgy.

During the current year, first-year enrolment in Engineering increased by approximately 10%. Enrolment at the graduate level

continues to rise, leading to certain problems of space and personnel in the Departments of Electrical Engineering and Metallurgy.

The Department of Civil Engineering received the following guests: Dr. B. J. Hartz of the University of Washington, Dr. A. J. Ockleston of the University of Witwatersrand, Dr. I. T. Rosenqvist of Oslo University, Dr. K. H. Roscoe of Cambridge University, Dr. H. B. Seed of the University of California, Berkeley, Professor A. N. Sherbourne of Waterloo University and Professor O. C. Zienkiewicz of the University College of Swansea.

In the Department of Electrical Engineering, Dr. M. P. Beddoes and Dr. A. C. Soudack received research awards, and Dr. M. M. Kharadly received a National Research Council Major Equipment Award. Two visitors from the U.S.S.R. spoke to the Department of Electrical Engineering: Professor P. D. Lukovtsar, Assistant Director of the Institute of Electro-chemistry, Academy of Sciences, Moscow, and Dr. Butkowski of the Institute of Automatic and Telemechenik and the Academy of Sciences, Moscow.

Dr. M. Iqbal of the Department of Mechanical Engineering was awarded a Nuffield Foundation Post-Doctoral grant and leave of absence to work at Imperial College, London. Dean Armstrong was appointed to the Science Council of Canada. He was also named Chairman of the Canadian Council of Professional Engineers. Dr. Forward of the Department of Metallurgy was awarded the Institute of Metals (Platinum) Medal. Peter Madderom was awarded the Gold Medal of the Association of Professional Engineers as the graduating student with the highest standing in the Faculty. J. K. Brimacombe was awarded a Commonwealth Fellowship for graduate work at the University of London. In the Department of Mineral Engineering, Dr. J. Leja was awarded two grants by the National Research Council. The Department was also given an award by Cominco. Professor Crouch was elected President of the Association of Professional Engineers of British Columbia.

The demand for professional architects cannot, as yet, be met by the schools in Canada, in spite of the ever-increasing enrolment in the School of Architecture. Members of the School receiving awards are: Professor Gerson (Central Mortgage and Housing Corporation), Dr. Rogatnick (Canada Council) and Miss C. Wisnicki (National Research Council and the Aferican Iron and Steel Institute). The School entertained some visiting speakers, among them: Mr. H. Hill of San Francisco, Dr. R. L. Meier of the Uni-

versity of Michigan, Professor C. H. Wheeler of Pennsylvania State University, Dr. J. D. Welch of the University of Science and Technology, Kumasi, Dean H. I. Ashworth of the University of New South Wales, Dean R. A. Jensen of the University of Adelaide, Dean B. Lewis of the University of Melbourne and Mr. J. Diamond of the University of Toronto and editor of the Journal of the R.A.I.C.

The School of Nursing entertained a number of visitors, including Miss J. Church of Dalhousie University, D. L. Creelman of the World Health Organization and Miss E. Logan of McGill University

The Faculty reports with regret the deaths of Mrs. A. M. Armstrong and Mr. H. Pendar.

THE FACULTY OF ARTS

The year 1965-1966 was one of re-organization and change in the Faculty. Dean Healy appointed two Assistants, W. J. Dusing (Classics) and W. D. Young (Political Science) to help administer the largest Faculty in the University. R. S. Milne took up his duties as Head of the Department of Political Science and R. Harlow was appointed Head of the Department of Creative Writing. S. E. Read was Acting Head of the English Department, but G. H. Durrant was appointed Head as of July 1, 1966. Miss W. J. Bracher continued as Acting Head of the School of Home Economics. Dr. J. O. St. Clair-Sobell resigned from the Headship of the Department of Slavonic Studies, and Mr. B. Czaykowski became Executive Secretary. He will carry out the duties of Acting Head until the arrival of the new Head, Dr. M. H. Futrell, in July 1967.

Towards the end of the year Senate accepted the recommendation that the Department of Romance Studies be divided. Dr. L. L. Bongie, who had been Acting Head of Romance Studies, became Head of the French Department; Dr. K. I. Kobbervig will be Executive Secretary of Hispanic and Italian Studies until the appointment of a new Head.

These changes represent an effort to reduce the administrative complexities that have developed with the increasing enrolment of students, and an effort to produce a more rational organization of the Faculty.

The curriculum of the Faculty of Arts is undergoing change. A

new third- and fourth-year programme has been created, whereby students will offer a single major of fifteen units in place of the former two majors of nine units each. Consideration of the first- and second-year programme is continuing.

Other changes took place at the departmental level. The Department of Religious Studies introduced an Honours Programme and two courses in Hebrew. The Department of Asian Studies introduced a course in Sanskrit, and has intensified its courses in Chinese and Japanese at the first- and second-year levels. Slavonic Studies has also increased its courses in Russian in a like manner. The School of Social Work, following a North American trend, abolished the degree of Bachelor of Social Work.

The opening of the Henry Angus Building, now occupied by the Departments of Anthropology and Sociology, Economics, Political Science and Psychology, provided an opportunity for the installation of a long-needed Statistical Centre. In the Buchanan Building the Language Laboratory has been extended and offers greater scope to those members of the Faculty engaged in language teaching.

The stimulation of graduate studies had thrown an enormous additional burden upon the Faculty of Arts. The number of graduate students is increasing rapidly, and the financial responsibility for their instruction falls upon this Faculty. Moreover, these graduate students must have a suitable environment for study. This year the Faculty of Arts has established a number of Graduate Reading Rooms and has stocked them with the basic works of reference. The impact upon graduate students has been impressive.

Members of the Faculty carried off a gratifying number of academic honours. Dr. Margaret Ormsby, President of the Canadian Historical Society, was elected Fellow of the Royal Society of Canada. Dr. John Chapman served as President of the Canadian Association of Geographers and Dr. P. C. F. Guthrie as President of the Classical Association of the Pacific States. Dean Frederic Soward, who retired this year, delivered the presidential address to Section II of the Royal Society of Canada. Dr. Hanna Kassis, Assistant Professor of Religious Studies, was invited to participate in an excavation in Israel by the well-known archaeologist, Kathleen Kenyon. This Faculty's interest in archaeology is also reflected in the appointment of Dr. C. W. J. Eliot to the Visiting Professorship at the American School of Classical Studies in Athens for the year 1966-1967.

Senior Fellowships for research were awarded by the Canada Council to Dr. J. F. Howes, Associate Professor of Asian Studies, Dr. W. F. Hall, Associate Professor of English, Dr. M. S. Batts, Associate Professor of German, Dr. J. H. Winter, Associate Professor of History, W. Nicholls, Professor of Religious Studies, and H. V. Livermore, Professor of Spanish and Portuguese.

The Governor General's Medal was won this year by a student in the Department of Classics, Shirley Marie Darcus.

The Faculty enjoyed the company of a number of visitors who joined various Departments for the year or for lengthy periods: Dr. D. Bankson (Lecturer in Creative Writing), J.-B. Barrère (Professor of French), Shigeyoshi Doi (Professor of Asian Studies), Dr. D. G. E. Hall (Professor of Asian Studies), O. Hansen (Assistant Professor of Anthropology), Dr. B. Lane (Lecturer in Anthropology), Mrs. D. L. Macnair (Lecturer in Creative Writing), K. Rutter (Lecturer in Classics), S. T. Yang (Professor of Asian Studies) and Dorothy Somerset (Lecturer in Theatre).

At the end of the year Dean Emeritus Frederic Soward, for many years Head of the Department of History, who joined the Faculty in 1922, retired, as did Dr. Mabel MacKenzie, Associate Professor of English, and Jan Freyman, Lecturer in Slavonic Studies.

THE FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Dean G. N. Perry resigned in October and assumed the post of Deputy Minister of Education for the Province of British Columbia. Dr. Perry, who graduated from U.B.C. in 1933 and who holds his higher degree from Harvard, was a distinguished civil servant both at the federal and provincial levels before he returned to U.B.C. in 1960.

Professor P. H. White was appointed Dean of the Faculty from May 1966. Dean White has been at U.B.C. since 1958.

Professor A. Beedle was awarded the Bronfman Award in addition to a Ford Foundation Fellowship to the University of Toronto Faculty Seminar on quantative methods. Dr. Beedle was also awarded the Canadian Institute of Chartered Accountants Research Award at the London School of Economics, and was elected Fellow of the Institute of Chartered Accountants of B.C.

Professor D. B. Fields was awarded a research grant by the

Economic Council of Canada to carry out a review and critical evaluation of aids to small business in Canada. Dr. T. D. Heaver was elected to the executive of the Canadian Transportation Research Forum as a member at large. He continued in his position as consultant to Air Canada. Dr. P. A. Lusztig was appointed to the Royal Commission of Automobile Insurance.

THE FACULTY OF DENTISTRY

We are pleased to report that the delay of the building programme due to high construction costs has been rectified and that the Board of Governors has approved the re-instatement of the deletions made in the original contract. This means that we can now plan on accepting a maximum of forty students into the first year in September 1967.

When our first class of students was admitted in 1964, we expected the clinical facilities in the new Dentistry Building to be ready for use by the time these students advanced into the third year. Unfortunately, because of unforeseen delays in both the planning and the construction, we soon realized this would be impossible, and therefore had to seek alternative means of enabling our students to acquire the necessary clinical experience. Various solutions were considered, including the use of dental outpatient departments in several of the neighbouring hospitals, and the rental of space in downtown buildings. For various reasons none of these was satisfactory, and we decided therefore to provide temporary clinical facilities on the campus. Two new trailers were moved to the campus and furnished with the necessary clinical equipment this summer, and are now serving satisfactorily as a teaching clinic for our third-year students.

As in past years, our greatest problem remained that of faculty recruitment. Full-time faculty of the quality we want are in extremely short supply, and our competitive position in relation to many other dental schools, especially those in the United States, remains less than satisfactory. During the year under review we acquired two new faculty members, but lost another to a newly-opened school in eastern Canada.

Because of the limitations of space our enrolment remains small, although both the number and the quality of applications have steadily increased every year.

Despite the serious lack of research space, our staff continues to be active and productive, using their unlimited ingenuity to improvise as necessary. As one indication of success, we rank fourth out of the seven operating dental schools in Canada in the amount of research funds granted by the National Research Council for 1965-1966. This is in spite of the fact that we are the youngest and smallest of the seven institutions. In addition grants have been received from the Department of National Health and Welfare, the National Institute of Dental Research and industry. Several of our members have also actively participated in scientific meetings and congresses of both a national and international character. One of our staff, Dr. G. Parfitt, brought honour to our institution by having been selected as one of the few Charter Fellows of the newly-established Royal College of Dentists of Canada. Another member, Dr. D. Gardner, received Fellowship in the American Academy of Oral Pathology.

THE FACULTY OF EDUCATION

Experiment was the keyword in the Faculty of Education in the session 1965-1966. A new programme was instituted in the Elementary Division whereby students can proceed, without interruption and with a carefully balanced series of courses, directly to a four-year degree. Television experiments in micro-teaching techniques caught the enthusiasm of many young teachers. A co-operative endeavour with Hamer Senior High School in Team Teaching lasted the full academic year of the school. An effort to measure the relative merits of an extended practicum in January and February for a selected group of graduates when compared with the normal programme for a control group evinced great interest both from the faculty at U.B.C. and from the staff at the three experimental schools. A specially-selected group of "A" undergraduate students has been encouraged to pursue research projects in addition to the prescribed course. With handicapped children a three-pronged research enterprise has been attempted to assess the results of an educational therapy programme.

Four graduate level projects have been initiated in the Faculty: firstly one in classroom learning in collaboration with a group of school teachers, secondly one in counselling and guidance with the Ministry of Labour, thirdly in adult education in collaboration with

Agriculture and Labour, and fourthly one in physical fitness and human physiology.

Members of the Administration Department conducted a special survey for the Victoria School Board.

A volume of essays commemorating the first ten years of progress at the Faculty of Education was published under the title "The Faculty of Education 1956/1966." This volume not only provides an interesting history, but also gives an insight into the goals, purposes and philosophies animating the development of a Faculty of Education on a university campus.

The planning of a series of colloquia on university teaching caught the interest of the whole University.

The Faculty sponsored a series of workshops and weekend conferences on recent developments in the chief fields of endeavour in schools, e.g. Science, Social Science, English, Mathematics, Art, Music and Physical Education. In addition, special conferences in Pre-School Education and on Adult Education were held off the campus.

Distinguished visitors from Great Britain such as Lord James, Vice-Chancellor of the University of York, and Sir Alec Clegg, Director of Education for the West Riding of Yorkshire made important contributions to the Faculty.

Unfortunately, a number of members of Faculty and all our full-time graduate students are still crowded in temporary huts. In addition, 9 class-rooms in nearby huts are still in use, and no proper facilities are available for Physical Education. Library and Reading-Room space is needed, and research laboratories for faculty use are inadequate.

Despite these problems, the Faculty produced one hundred and forty-two books and articles during the year under survey. No less than sixty-five research projects are under way. Over forty-two thousand dollars in grants were received by members of the Faculty for research. This is unusually high for Education Faculties, but minute when compared to other Faculties. One of the great handicaps to large-scale research in Education is the absence of any outside body willing and able to give continuing support to research on a scale comparable with that in medicine, science or engineering.

Last year eight persons were on leave of absence to undertake important research studies. At least five completed doctoral degrees. One spent a full year in Tanzania assisting in the developing Uni-

versity plan in Dar-es-Salaam. This is a continuing programme operating through the Department of External Aid. Another spent a year in Boston working in the new Biological Sciences Curriculum Study in association with Harvard University. A third spent a year of research in London University.

The Dean was President of the National Council for Geographical Education of America. Professor Black was invited to give the Sir Herbert Read Lecture in London University on Art Education. Professor Penner was appointed to the International Commission on the Teaching of English. These are but a few examples of the kind of reputation which the Faculty enjoys.

THE FACULTY OF FORESTRY

In western Canada until recently the emphasis in forest education and professional forestry has been on timber production and harvesting. However, the great expansion in the use of the forest for lumber and pulp, particularly in the interior, the adoption of sustained yield and small wood utilization policies and the recognition of the importance of forest management to other resources such as water, fisheries, wildlife and agriculture, has made evident the need for intensification and diversification of forestry teaching practice and research. An increasing number of well-educated versatile foresters will be needed by the industry and the provincial governments. Being the only professional forestry school in western Canada, this Faculty bears a heavy regional and national responsibility. The need has been recognized by the University and modern new facilities are being provided. Another requirement for an attractive, stimulating and valuable undergraduate programme in forestry is a strong graduate school associated therewith, and therefore a stronger programme of graduate research in forestry and wood science is being developed as rapidly as possible. This will help provide the forest scientists now urgently needed for teaching and research.

During the year an increased interest in forestry as a profession was evident. Enrolment in first year increased from fifty-eight to seventy-seven, and the total number of undergraduates was one hundred and ninety-nine. The number of graduate students increased from nineteen to twenty-four, half of whom are Ph.D. candidates. Facilities in the old Forestry and Geology Building were taxed severely by these increases and some modifications were

necessary. A small lecture-theatre was converted to study-space for graduate students. Lack of space suitable for laboratory work was a serious handicap as before. Encouragement was provided when, in September, a contract was let for the construction of the new Forestry-Agriculture building. Rapid progress was made during the year, and it should be possible to move into the new quarters in the early spring of 1967.

Dr. Kozak, a specialist in the application of statistical methods and the use of the computer on forestry problems, was appointed to the staff to provide for the increasing instruction and leadership needed in this field, and in a very short time he was heavily involved in teaching and research. To provide for instruction and research in watershed management and forest hydrology, a previously-neglected field in British Columbia, we were fortunate to obtain the appointment of Mr. Jeffrey, one of the few specialists in this field in Canada.

Operating grants for research awarded to the staff rose from a total of $53,415 to $127,935.

The proposal that M.Sc. degrees in Forestry be granted was approved by Senate. Graduates in science, agriculture and certain other disciplines and without the professional forestry degree (B.S.F.) may now be accepted for advanced studies in forest and wood science.

Mr. D. D. Stevenson, Chief Forester, the Buckeye Cellulose Corporation, Perry, Florida, was the H. R. MacMillan Lecturer on "Economic Aspects of Intensive Forest Management in the South-Eastern United States." Three seminars were arranged in collaboration with the Extension Department and these were well attended by representatives of government and industry.

Graduating student, Mr. G. McDermid, won the Canadian Institute of Forestry Gold Medal for all-round proficiency. Mr. L. Panzer completed his studies for a Ph.D. in wood science, was awarded a National Research Council Post-Doctoral Overseas Fellowship, and went to Darmstadt, West Germany.

Professor J. H. G. Smith was re-appointed editor of the *Forestry Chronicle*, and was appointed a member of the Canadian Land Inventory Committee. He also spent July in Ecuador as a member of a United Nations F.A.O. special Forest Industry Development project. Professor R. W. Wellwood was appointed to the executive board of the Forest Products Research Society. He was also appointed Plywood Consultant to a United Nations Forest Industry

Development project in Taiwan. Dr. Sziklai continued a second year as Chairman of the Canadian Committee of Forest Tree Breeding and of the international Western Forest Genetics Association.

THE FACULTY OF GRADUATE STUDIES

The Faculty this year undertook a thorough study of its objectives, procedures and organization and the manner in which these have been influencing the development of our graduate programme. This has proved to be a time-consuming task, but one that has given rise to important new insights. The report is nearing completion and should be available early in the new year. It will recommend administrative organization and some changes in our philosophy.

During the year new graduate programmes leading to the Master of Science and the Ph.D. in Pathology and the Master of Science programmes in Forestry and Nursing were approved, bringing to thirty-four the number of departments offering the Doctorate and to sixty-five those offering the Masters degree.

Graduate enrolment has increased steadily with 422 students registered for the Ph.D., 9 for the D.Ed. and 969 for various courses of study leading to the Masters degree. The total graduate enrolment reached 1,600 in November. The increase in Ph.D. candidates over the year before is 40%. Applications for admission reached new heights and over 300 were admitted to study toward doctoral degrees. The number of Ph.D. degrees granted during the year was sixty-seven, as opposed to fifty-two and forty-two in the two previous years. Three hundred and thirty Masters degrees were awarded. The rate of increase in the Graduate School continued as in the two previous years, but there are a number of forces likely to inhibit our increase during the next two years. Paramount is shortage of space in which to accommodate both the graduate students and the faculty to teach them. Already most of the Science Departments as well as those in Engineering are at capacity and are unable to meet the demand for increased graduate places until further buildings can be undertaken.

This year, for the first time, we established a university-wide base amount for teaching assistants' stipends. This has met with the approval of graduate students and will be important in improving the relationships between the students and their home departments. It is gratifying that virtually every graduate student in the

sciences and most of those in the arts and the social sciences are receiving some form of subsidy to continue their graduate education.

One important development was the transfer of admissions control to the Faculty of Graduate Studies. This has made possible a more careful review of the quality of those recommended for admission.

In July the programme in Community and Regional Planning became a Division of the Faculty of Graduate Studies. This move reflected the growing strength of this area of Graduate Studies and allows further growth and expansion in enrolment and depth of teaching. Students in the programme came from a wide range of backgrounds and from half a dozen different countries. During the year a dozen distinguished scholars and professionals visited the Department and offered special lectures and seminars.

The Institute of Industrial Relations has devoted a large part of the year to a study of manpower issues in the Province of British Columbia. Trends and events over the past two years in British Columbia have been revealing to the researcher in many areas. A general survey of the British Columbia labour force and labour markets has been prepared by Dr. J. Vanderkamp and J. T. Montague. During the year the Institute joined Provincial labour and management groups as well as the Provincial Government in the planning and direction of a conference on Technological Change in the Sixties.

The major advance during the year has been the provision of adequate physical facilities to carry on the work of the Institute. Our reading room has been established in the Angus Building and has been developed as a depository of reference material in the labour relations field. This material is available to graduate students with an interest in the industrial relations field from the Social Science Departments of the University.

The Institute of Fisheries has had an eventful year, featuring among other things some major staff changes. After leading the Institute most effectively for three years, Dr. N. J. Wilimovsky has resigned as Director; he will, however, remain at the Institute as Professor of Fisheries. A storage building in the south campus area and the erection of the shell of the new aquarium have been important additions to facilities. A start has been made in clearing and developing the fisheries area on the southern end of the campus. Another important event was the acquisition of a substantial collec-

tion of periodicals and separates in the general area of fisheries from the University of Washington School of Fisheries. This material is being incorporated into the working collection.

The field programme of the Institute of Oceanography was carried out in vessels made available by the Canadian Forces and by the Canadian Hydrographical Service of the Department of Mines Technical Surveys. This support is vital to the Institute's work, and is much appreciated.

The preliminary plans for the Biological Sciences Building addition, which will include accommodation for Oceanography, were approved by the Board of Governors, and the architect is now preparing detailed plans.

Dr. R. W. Stewart was elected Fellow of the Royal Society of Canada. Among his many other activities, he presented the Anton Bruun Memorial Lecture in Paris at the invitation of U.N.E.S.C.O. and acted as adviser to the Canadian delegation and the Intergovernmental Oceanographic Commission at U.N.E.S.C.O.

The Institute of Earth Sciences staff and graduate students attended numerous conferences, both national and international. The Institute is pleased to record the election of Dr. R. D. Russell as a Fellow of the Royal Society of Canada.

THE FACULTY OF LAW

This was the first year of the full operation of the new curriculum. This curriculum was adopted by the Faculty in 1964 after two years of painstaking study and discussion. Both the nature and range of legal studies were widened. The extensive use of seminars, optional courses, sectioning of large classes and the active direction of a student writing programme by the whole Faculty were innovations in Canadian legal education. The experience of the year showed the value of such far-reaching changes. The inevitable problems of adjustment were found to be essentially of small dimension and they were overcome as the year proceeded and as understanding of the new situation was gained. In result, the School emerged in a much strengthened position. As well, a start was made on a graduate programme. This has promise of growth, in a modest degree, as manpower, library resources and experience accumulate. The Law Library is one of the largest in Canada, and its continued growth,

in keeping with the University's policy in the library field, affords a sound basis for the scholarly work of the Faculty.

Among the notable stimulating events of the year was a week-long visit by Professor M. McDougal of the Yale Law School. He is one of the commanding figures in American legal education, and his presence at the School was a lively experience for students and faculty.

Earlier in the year, advantage was taken of the AUCC meeting in Vancouver to invite the law deans of Canada to meet together to exchange ideas on legal education. The outcome was the decision to constitute a Committee of Law Deans of Canada as a permanent and continuing body and as an associate member of the AUCC. The Committee gives every indication of being a valuable means of increasing a co-operative approach to the problems of legal education in Canada.

THE FACULTY OF MEDICINE

The year witnessed a number of changes within the Faculty of Medicine. Progress towards the development of the long-planned university hospital has proceeded rapidly and in June 1966 construction began of the first stage of the hospital. This stage will provide facilities for the care of sixty psychiatric in-patients, a day hospital, a night hospital and a psychiatric out-patient department. The second stage, comprising the neurological research area, will go to tender early in 1967 and the final plans for the remainder of the hospital are being brought to completion as quickly as possible. At the same time construction is proceeding on the dental school and the expansion of the basic medical sciences building to accommodate forty dental students. This programme will be completed during the 1966-1967 academic year.

The announcement that government-supported "medicare" would become effective in July 1968 has made necessary a great deal of planning for the operation of the medical school and the teaching of clinical medicine on private patients. Unlike most other faculties and schools in the university, a medical school must actively participate in patient care in order to permit its students contact and experience with patients. In the past this has presented no problem because there were sufficient charity patients who could not afford the services of a physician to provide the experience necessary.

When all patients are entitled to the benefits of medical care insurance it will be necessary for the medical school to share with the practising profession the provision of health services to paying patients. This will necessitate the setting-up of clinical teaching units within certain community hospitals. It will also necessitate the establishment of general practices in the community, operated by university personnel, working with undergraduate students, internes and residents. The planning for these developments has taken place during the year and they will be put into operation in advance of July 1968.

All Faculty members were saddened by the retirement of Dr. J. Mather. Dr. Mather, who had been Assistant Dean for seven years, suffered increasing ill health, and it became necessary for him to retire completely. We all wish him contentment in his retirement years.

Dr. D. C. Graham, the former editor of the *Canadian Medical Association Journal*, has joined the Faculty as Associate Dean. Dr. R. C. Harrison was brought to the University as Professor and Head of the Department of Surgery from the University of Alberta. Dr. J. McFadyen came from the University of Saskatchewan to the post of full-time Head of the Division of Neurology in the Department of Medicine. Dr. J. H. Quastel has brought a group of researchers in the field of neurophysiology from McGill, and will materially strengthen this aspect of the work of the Faculty.

THE FACULTY OF PHARMACY

A class of thirty-three students was graduated with the B.S.P. degree in May 1966. Eight students were registered in the M.S.P. programme, of which number five would have completed the requirements prior to the start of the 1966-1967 session. It is of interest that four of the five will proceed to the Ph.D. in other universities.

The proposal to initiate a programme of studies in the pharmacal sciences leading to the Ph.D. programme was referred to a review committee by the Dean of Graduate Studies. This committee recommended that approval of a Ph.D. programme be withheld for the present and that the research programme be re-evaluated after a period of two years. It can be reported that research grants to members of the staff increased significantly during the year. Plans for the immediate future aim to strengthen the graduate programme.

The Faculty is continuing to collaborate with the Provincial Department of Health Services and Hospital Insurance to systematize existing poison control product information, and to develop a set of treatment cards with unique features which will make them more useful than other cards or information resources presently available. Additional support in the form of a National Health Research Grant is making it possible to extend this project with a view to devising a model system of the rapid processing, storage and retrieval of toxicological and related information on drugs and commercial products, adaptable to the computing facilities which are planned for the U.B.C. Health Sciences Centre. It is anticipated that the Centre thus could become the depot for monitoring, collecting and disseminating reports concerned with accidental poisoning cases and adverse drug reactions.

A further National Health Research Grant has been made available to the Faculty of Pharmacy to assist in the phased development of a pilot plan for a Drug Information Centre. This concept also envisages the utilizing of modern methods of data storage and retrieval with the objective of providing the health professions with information-in-depth concerning drug nomenclature, structure-activity relationships, relationships between physical form and efficacy and other aspects of modern pharmaceutical technology. It is to be expected that this experimental plan subsequently can be integrated into the Health Services Centre, and that, in the long run, extension of the service to other British Columbia hospitals and to private practitioners of medicine and pharmacy should prove possible.

The Faculty continued to collaborate with the British Columbia Pharmaceutical Association in providing a continuing education programme for pharmacists in practice.

The expanding research programme in the Faculty together with the growing number of graduate students is resulting in increasing pressure in the Cunningham Building which was initially planned solely for undergraduate instruction.

THE FACULTY OF SCIENCE

A number of course changes and additions of new courses for first-year students were necessitated by the changes introduced in the High Schools. Similar changes will have to be introduced in

some of the second-year courses during the coming year. A new course, Geophysics 310, Exploring the Universe, was introduced specifically for Arts students seeking a broad, non-laboratory and non-mathematical course in Science. The regulations concerning the granting of a B.Sc. degree were altered to permit students to combine sufficient summer session work to complete a degree in less than four years.

The problem of insufficient space, particularly in senior courses, the problems of accommodating an ever-increasing number of graduate students are confronting all departments. The Life Sciences are re-assured that these will be solved when the new addition to the Biological Sciences is completed. Physics and Chemistry are hampered in the development of their graduate offerings and face considerable re-adjustment in their undergraduate laboratories. The Earth Sciences are facing a real crisis for lecture, laboratory and office space. Microbiology is relatively satisfied with space available at present and with the prospects of getting more space in the Wesbrook Building when Public Health and Preventive Medicine will find new homes in the Medical complex of buildings. Permanent quarters will have to be found for the Computer Centre and space will have to be provided for the teaching of Computor Science courses. The Department of Mathematics is crowded, but the prospects of getting additional space in the old Agricultural Building makes situation bearable.

The appointment of Dr. Ovenden as Professor of Astronomy will make it possible to plan the development of a sequence of courses in Astronomy. There is great gratification that the Federal Institute of Astronomy will be located on the campus and will permit the establishment of Astronomy on a solid basis at this University. However, office and laboratory space will have to be provided almost immediately. In order to help the Federal Government to plan the building of the Queen Elizabeth Observatory and the general development of Astronomy in Canada, Dean Okulitch was appointed to the National Advisory Committee on Astronomy. The appointment of Dr. Shuter to the Department of Physics is the beginning of a programme in Radio Astronomy.

The new departmental library was constructed in the Mathematics Building and its development is proceeding very satisfactorily with the help of both the Mathematics and Library staffs.

The Department of Microbiology under the leadership of Dr.

J. J. Campbell is busy re-organizing its course offerings, making alterations to its physical facilities and looking for additional staff members. In order to accomplish the integration of all Microbiology on the campus, Drs. Gronlund and Razzell were transferred from the Faculty of Agriculture to the Faculty of Science. The courses in Microbiology previously taught in the Division of Animal Science were also transferred to the Faculty of Science.

Close relations were maintained throughout the year with the Executive of the Science Undergraduate Society. Some constructive suggestions of the S.U.S. were considered by the Dean and the Heads of the Departments.

A serious lack of study space for first- and second-year students will have to be given close attention. As an interim measure, attempts will be made to keep a certain number of lecture rooms open for Science students in the evenings in all Science buildings.

3

OTHER DEPARTMENTS OF THE UNIVERSITY

THE DEPARTMENT OF UNIVERSITY EXTENSION

THE YEAR UNDER REVIEW marks the thirtieth anniversary of University Extension in British Columbia. It was in the trying days of the Depression that the University took the venturesome step broadening the boundaries of the campus to embrace the larger community. This had, of course, been the original aim of the University in providing academic programmes for its undergraduate and graduates; the University set as its additional goal the education of the adult population who could benefit from higher education in furthering personal, professional and community development.

Special emphasis is now given to further education in the professions, both through refresher courses and by offering graduate programmes. More opportunities are provided for adults to complete degree programmes. Courses in general studies have also been up-graded. Special projects are being undertaken, particularly with government agencies.

The second year of the Colombo Plan Project was completed between the Universities of Rajasthan and British Columbia. Adult education in Jaipur is now developing the five priorities in its Programme: college extension services, professional training courses, correspondence study, evening colleges, a determined effort to raise adult literacy. On December 23, 1965, an event of special interest at the Jaipur campus was the laying of the cornerstone of the residential Centre for Continuing Education, by The Honourable D. R. Michener, Canadian High Commissioner for India.

A growing number of adult students is participating in Arts,

Science and Education courses which are offered in the evening both on and off the campus. In 1965-1966, the Department offered 61 courses for credit, enrolling 1,258 people. Twelve courses were offered in communities outside Greater Vancouver. A total of 956 people were enrolled in 16 correspondence credit courses.

In the past year, the Extension Department has responded to increased requirements for professional and technical education. More than 7,000 people aware of the challenge involved in keeping up to date in their respective fields were reached through professional and technical programmes.

A total of 6,325 adults seeking to broaden their perspectives and stimulate their imaginations enrolled in programmes in the Humanities and Social Sciences. As in previous years, the Vancouver Public Library has willingly co-operated with the Department.

THE UNIVERSITY LIBRARY

Paradoxically, although the Library passed the most successful year in its history, signs of future difficulties made their appearance. Over a million and a half dollars was spent for the purchase of books and periodicals: but many of the accessions remained uncatalogued and the library shelves became more crowded. Over a million items were loaned, yet the complaint was frequently heard that students could not get the books they needed when they needed them. If they did obtain what they sought, as likely as not they were unable to find a place to study. Clearly, the student body and the book collection were both outgrowing the capacity of the physical library.

Plans are being made for the construction of a number of separate specialized libraries strategically located around the campus, but construction must wait upon capital funds, which are in short supply. Attempts are being made to maximize the utility of existing buildings, and to equip the library for the pressures of tomorrow through the application of computors to library routines. Blessed with an excellent staff, the Library meets new challenges successfully on a daily basis. However, the time will come when no amount of good-will, hard work or ingenuity will breach the gap between wish and reality in library service. As it exists, the Library is a good one for a student body of eight thousand. Soon there will be twenty-five thousand.

Registration 1965-66

(as of December 1, 1965)

FACULTY OF ARTS

	MEN	WOMEN	TOTAL
Arts			
First Year	721	698	1419
Second Year	758	557	1315
Third Year	586	402	988
Fourth Year	542	348	890
TOTAL	2607	2005	4612
Music			
First Year	27	28	55
Second Year	23	21	44
Third Year	18	18	36
Fourth Year	19	24	43
TOTAL	87	91	178
School of Home Economics			
First Year	....	94	94
Second Year	....	60	60
Third Year	....	47	47
Fourth Year	....	56	56
Fifth Year	....	1	1
TOTAL	....	258	258
School of Social Work			
B.S.W.	51	49	100
M.S.W.	34	32	66
TOTAL	85	81	166
School of Librarianship	21	48	69
TOTAL IN FACULTY	2800	2503	5303

FACULTY OF SCIENCE

First Year	918	200	1118
Second Year	673	126	799
Third Year	536	82	618
Fourth Year	456	69	525
TOTAL	2583	477	3060

FACULTY OF APPLIED SCIENCE

Engineering			
First Year	328	1	329
Second Year	246	....	246
Third Year	208	1	209
Fourth Year	165	1	166
TOTAL	947	3	950

School of Architecture	MEN	WOMEN	TOTAL
First Year	41	2	43
Second Year	23	1	24
Third Year	28	....	28
(old) Fifth Year	3	....	3
TOTAL	95	3	98
School of Nursing			
Basic Degree Programme			
First Year	....	34	34
Second Year	....	22	22
Third Year	....	24	24
Fourth Year	....	22	22
Postbasic			
First Year	1	20	21
Second Year	....	13	13
Third Year	....	8	8
TOTAL	1	143	144
Diploma Course	5	69	74
TOTAL IN FACULTY	1048	218	1266
FACULTY OF AGRICULTURE			
First Year	33	10	43
Second Year	47	11	58
Third Year	36	13	49
Fourth Year	45	6	51
Occupational Course	1	1	2
TOTAL IN FACULTY	162	41	203
FACULTY OF LAW			
First Year	119	3	122
Second Year	97	2	99
Third Year	81	4	85
TOTAL IN FACULTY	297	9	306
FACULTY OF PHARMACY			
First Year	13	15	28
Second Year	30	12	42
Third Year	18	10	28
Fourth Year	33	13	46
TOTAL IN FACULTY	94	50	144

FACULTY OF MEDICINE

	MEN	WOMEN	TOTAL
First Year	49	10	59
Second Year	54	2	56
Third Year	49	7	56
Fourth Year	53	2	55
TOTAL	205	21	226
School of *Rehabilitation Medicine*			
First Year	3	30	33
Second Year	....	25	25
Third Year	....	32	32
TOTAL	3	87	90
TOTAL IN FACULTY	208	108	316

FACULTY OF DENTISTRY

First Year	8	....	8
Second Year	6	....	6
TOTAL IN FACULTY	14	....	14

FACULTY OF FORESTRY

First Year	77	....	77
Second Year	45	....	45
Third Year	36	....	36
Fourth Year	41	....	41
TOTAL IN FACULTY	199	....	199

FACULTY OF EDUCATION

Elementary Division			
First Year	25	300	325
Second Year	75	525	600
Third Year	80	386	466
Fourth Year	70	170	240
Graduates	30	33	63
TOTAL	280	1414	1694
Secondary Division			
First Year	79	61	140
Second Year	131	89	220
Third Year	117	79	196
Fourth Year	116	44	160
Fifth Year	67	31	98
Graduates	165	72	237
Industrial Arts	69	....	69
TOTAL	744	376	1120

School of Physical Education	MEN	WOMEN	TOTAL
First Year	22	31	53
Second Year	70	21	91
Third Year	43	15	58
Fourth Year	38	13	51
TOTAL	173	80	253
TOTAL IN FACULTY	1197	1870	3067
FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION			
First Year	285	10	295
Second Year	228	9	237
Third Year	210	5	251
Fourth Year	140	3	143
TOTAL IN FACULTY	863	27	890
FACULTY OF GRADUATE STUDIES			
Course leading to			
Ph.D.	410	44	454
D.Ed.	7	3	10
M.A.	260	148	408
M.Sc.	209	28	237
M.A.Sc.	98	....	98
M.S.A.	27	1	28
M.F.	10	....	10
M.B.A.	53	1	54
M.P.E.	10	1	11
M.Ed.	18	18	36
M.S.P.	5	3	8
M.Arch.	1	1	2
M.Mus.	2	....	2
LL.M.	1	....	1
TOTAL IN FACULTY	1111	248	1359
Unclassified	140	70	210
GRAND TOTAL	10,716	5621	16,337

Extra-Sessional Classes	701	840	1541
Correspondence Courses	439	622	1061
Summer Session 1965	3206	3024	6230

Summary of Operating Revenue and Expenditure

(Excluding Capital Additions to Endowment, Student Loan and Capital Development Funds)

April 1, 1965 to March 31, 1966

	GENERAL FUNDS		TRUST FUNDS						TOTAL		1963-64	
			For Specific Purposes				Endowment					
		%	Teaching and General Purposes	%	Fellowships, Scholarships, Prizes and Bursaries	%	Research	%		%		%
REVENUE												
Province of British Columbia Grants	$12,894,000	51.5	$ 66,478	2.4	$ 2,100	0.4	$ 57,089	1.0	$	....	$13,019,667	37.9	$11,210,458	39.7
Government of Canada Grants	2,602,873	10.4	134,125	4.8	....	....	4,025,198	71.7	....	....	6,762,196	19.7	6,234,980	22.1
United States Government	....	....	7	....	....	....	235,836	4.2	....	....	235,843	0.7	187,390	0.7
Student Fees	7,999,950	31.9	....	....	....	....	....	....	....	....	7,999,950	23.3	6,623,518	23.5
Gifts and Grants (Commerce, Industry, Associations, Foundations and Individuals)	....	....	2,569,510	91.9	556,673	99.3	1,291,381	23.0	....	....	4,417,564	12.9	2,791,642	9.9
Miscellaneous	1,555,527	6.3	24,182	0.9	1,735	0.3	7,606	0.1	312,880	100.0	1,901,930	5.5	1,165,451	4.1
	$25,052,350	100.0	$2,794,302	100.0	$560,508	100.0	$5,617,110	100.0	$312,880	100.0	$34,337,150	100.0	$28,213,439	100.0
EXPENDITURE														
Academic Faculties and Departments and Associated Academic Services	$19,639,386	78.4	$2,066,476	74.0	$	....	$	....	$ 9,977	3.2	$21,715,839	63.2	$17,191,812	60.9
Administration	1,153,495	4.6	49,529	1.8	....	....	....	....	....	....	1,203,024	3.5	1,070,467	3.8
Service Departments and Maintenance	2,935,116	11.8	9,744	0.3	....	....	....	....	....	....	2,944,860	8.6	3,001,287	10.6
General Expenses	160,704	0.6	28,982	1.0	....	....	....	....	....	....	189,686	0.6	240,744	0.9
Athletics	86,037	0.3	97,906	3.5	....	....	....	....	....	....	183,943	0.5	171,809	0.6
Fellowships, Scholarships, Prizes and Bursaries	464,192	1.9	....	....	545,233	97.3	....	....	68,605	21.9	1,078,030	3.1	872,851	3.1
Research	259,795	1.0	....	....	....	....	5,414,597	96.4	....	....	5,674,392	16.5	4,684,865	16.6
Miscellaneous	20,443	0.1	....	....	....	....	....	....	....	....	20,443	0.1	....	....
	$24,719,168	98.7	$2,252,637	80.6	$545,233	97.3	$5.414,597	96.4	$ 78,582	25.1	$33,010,217	96.1	$27,233,835	96.5
Reserves Carried forward from 1965-66 to meet Expenditures in 1966-67	69,310	0.3	....	....	....	....	....	....	....	....	69,310	0.2	224,108	0.8
Buildings including Furnishings, Equipment and Campus Development	263,872	1.0	....	....	....	....	....	....	....	....	263,872	0.8	231,480	0.8
Trust Funds for Specific Purposes carried forward to meet Expenditures in 1966-67	....	....	541,665	19.4	15,275	2.7	202,513	3.6	....	....	759,453	2.2	474,372	1.7
Endowment Fund Income carried forward to 1966-67	....	....	....	....	....	....	....	....	234,298	74.9	234,298	0.7	49,644	0.2
	$25,052,350	100.0	$2,794,302	100.0	$560,508	100.0	$5,617,110	100.0	$312,880	100.0	$34,337,150	100.0	$28,213,439	100.0

Registration 1965-66

COUNTRY OF CITIZENSHIP

	North America
14649	Canada
2	Mexico
247	United States
	Central America
4	Barbados
2	Honduras, British
9	Jamaica
47	Trinidad
11	Other West Indies
	South America
4	Argentina
1	Bolivia
1	Brazil
2	British Guiana
1	Chile
2	Columbia
3	Paraguay
1	Peru
3	Venezuela
	Asia
15	China
70	Hong Kong
79	India
5	Indo-China
6	Iran
2	Israel
25	Japan
4	Korea
1	Lebanon
26	Malaya
10	Pakistan
	Palestine
13	Philippines
4	Sarawak
6	Singapore
1	Syria
7	Thailand
1	Transjordan
3	Turkey
	Europe
21	Austria
3	Belgium
2	Czechoslovakia
26	Denmark
7	Eire (Ireland)
5	Estonia
8	Finland
13	France
133	Germany — Western Zone
5	Germany — Eastern Zone
527	Great Britain & N. Ireland
9	Greece
17	Hungary
2	Iceland
29	Italy
3	Latvia
1	Lithuania
1	Luxemburg
1	Malta
74	Netherlands
21	Norway
3	Poland
1	Portugal
1	Romania
3	Soviet Union
3	Spain
4	Sweden
9	Switzerland
3	Yugoslavia
	Africa
1	Ghana
7	Kenya
2	Nigeria
3	Sierra Leone
9	Rhodesia
1	U.A.R. (Egypt)
2	Uganda
10	Union of South Africa
	Oceania
24	Australia
1	Fiji
15	New Zealand
	Stateless

Registration 1965-66

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

British Columbia (based on census divisions):	
1) East Kootenay and Upper Columbia River	188
2) West Kootenay, Columbia River and Slocan Lake	582
3) Okanagan, Similkameen, Kettle, and Upper Shuswap Rivers	807
4) Lower Fraser Valley and Howe Sound	10,705
5) Vancouver Island	1,211
6) North Thompson, Shuswap, Nicola, Chilcotin South, Lillooet East, Bridge-Lillooet	395
7) Bella Coola, Knight Inlet, Powell River	148
8) Nechako - Fraser, Chilcotin North, Cariboo, Skeena, Takla Lake	262
9) Atlin Lake, Skeena Coast, Queen Charlotte Islands	159
10) Northeast B.C.-Liard, Finlay-Parsnip, Beaton River	129
Alberta	367
Saskatchewan	124
Manitoba	107
Ontario	265
Quebec	89
New Brunswick	17
Nova Scotia	29
Prince Edward Island	1
Newfoundland	7
Yukon	32
Northwest Territories	8
Africa	35
Asia	239
British Isles	82
West Indies	63
Central America	11
Europe	52
Oceania	40
South America	15
United States	168

Educational Level of Students Admitted for the First Time in 1965

	University Entrance Standing
2540	British Columbia
29	Alberta
15	Saskatchewan
12	Manitoba
20	Ontario
4	Quebec
4	New Brunswick
1	Newfoundland
2	Nova Scotia
2	Yukon and N.W. Territories
77	Non-Canadian
	Senior Matriculation (Grade XIII, B.C.)
533	British Columbia, full
523	British Columbia, partial
37	Alberta
24	Saskatchewan
11	Manitoba
42	Ontario
8	Quebec
2	Nova Scotia
1	New Brunswick
62	Non-Canadian
21	1-yr. Notre Dame
1	2-yrs. Notre Dame
4	1-yr. Columbia Jnr. College
3	2-yrs. Columbia Jnr. College
2	1-yr. Trinity College
3	2-yrs. Trinity College
2	1-yr. Prince George J.C.
64	1-yr. Victoria College
59	2- and 3-yrs. Victoria College
113	Undergraduates above Senior Matriculation
453	Graduate
17	Non-Matriculation

THE UNIVERSITY OF BRITISH COLUMBIA

Honorary Degrees Conferred

YEAR	LL.D. *(honoris causa)*	D.Litt. *(honoris causa)*	D.Sc. *(honoris causa)*
Previous years	8		....
1930-34	12		....
1935-39	17		....
1940-44	9		1
1945-49	34		17
1950-54	37		18
1955 May	3	1	1
October	5	....	....
1956 May	3	....	3
October	6	....	....
1957 May	3	....	2
October	6	....	....
1958 May	9	....	....
July	1	....	....
September	13	....	....
October	2	....	1
1959 May	5	....	....
September	5	....	....
October	1	....	1
1960 May	4	....	2
October	2	2	2
1961 May	4	....	3
October	2	....	4
1962 May	1	....	....
October	3	....	1
1963 May	1	1	1
October	....	1	1
1964 May	1	....	1
October	1	....	1
1965 May	3	1	2
November	....	....	....
TOTAL	201	6	63

GRAND TOTAL 270

THE UNIVERSITY OF BRITISH COLUMBIA

Registration

Session	Arts & Sc.	H.Ec.	P.E.	Mus.	Ap. Sc.	Nurs.	Arch.	Agric.	Law	Soc. Work	Educ.	Phar.	For.	Med.	Dent.	Com.	Lib.	Rehab.	Unclass.	Grad. St.	Total Winter Sess.	Year	Summer Sess.	Corr. & X-Sess.	GRAND TOTAL
1920-21	687	....	....	....	200	9	....	51	....	....	....	....	....	....	....	....	....	....	....	15	962	1921	134	550	1646
1925-26	1083	....	....	....	192	33	....	51	....	....	57	....	....	....	....	....	....	....	....	47	1463	1926	438	127	2028
1930-31	1494	....	....	....	281	41	....	50	....	....	71	....	....	....	....	....	....	....	....	107	2044	1931	441	401	2886
1935-36	1211	....	....	....	320	93	....	67	....	25	62	....	....	....	....	....	....	....	....	160	1938	1936	566	223	2727
1940-41	1591	....	....	....	452	72	....	153	....	26	71	....	....	....	....	....	....	....	....	163	2528	1941	457	187	3172
1945-46	4034	148	....	....	1053	128	....	376	87	67	47	....	....	....	....	443	....	....	....	249	†6632	1946	2368	163	9163
1950-51	2951	185	139	....	931	92	97	286	325	142	213	166	142	60	....	329	....	....	....	374	6432	1951	976	430	7838
1955-56	3040	168	123	....	904	177	91	163	212	84	120	136	111	222	....	529	....	....	....	323	6403	1956	1810	1038	9251
1956-57	3284	170	101	....	1032	216	94	153	231	77	905	142	129	209	....	572	....	....	....	384	7699	1957	3507	1649	12855
1957-58	3860	187	103	....	1157	243	100	165	248	76	1125	119	*328	213	....	605	....	....	....	457	8986	1958	3947	2406	15339
1958-59	4505	198	130	....	1068	224	117	156	252	80	1445	125	*269	213	....	597	....	....	....	571	9950	1959	3828	2100	15878
1959-60	4734	207	160	....	1043	217	112	175	247	94	1826	141	*191	212	....	659	....	....	....	624	10642	1960	4256	2196	17094
1960-61	5314	198	177	....	1051	198	87	179	240	102	2188	151	*183	203	....	635	....	....	....	715	11621	1961	5156	2600	19377
1961-62	6412	207	195	....	987	160	75	204	225	109	2376	139	181	210	....	617	31	19	124	679	12950	1962	5101	2701	20752
1962-63	6731	196	204	127	972	188	82	191	227	117	2415	147	186	208	....	616	36	35	176	744	13598	1963	5463	2941	22002
1963-64	A. 4399 Sc. 2749	214	214	148	918	181	78	205	243	147	2740	159	189	213	....	633	46	68	251	919	14714	1964	6220	2930	23864
1964-65	A. 4472 Sc. 2905	212	224	160	906	205	81	199	275	159	2944	143	183	216	8	760	53	77	197	1110	15489	1965	6230	2825	24544
1965-66	A. 4612 Sc. 3060	258	253	178	950	218	98	203	306	166	2814	144	199	226	14	890	69	90	210	1359	16337	1966		2602	

† Includes Special Winter Session, 1946, Ex-Service Personnel.
* These figures include Sopron.

THE UNIVERSITY OF BRITISH COLUMBIA

Degrees Conferred

Undergraduate

YEAR	B.A.	B.Sc.	B.H.E.	B.P.E.	B.Mus.	B.S.W.	B.A.Sc.	B.Arch.	B.S.N.	B.S.A.	LL.B.	B.S.P.	M.D.	B.S.F.	B.Comm.	B.Ed.	B.L.S.	TOTAL
May-Oct. 1916-20	205	....	....	....	....	....	11	....	....	....	....	....	....	....	....	....	....	216
1921-25	499	....	....	....	....	....	145	....	12	58	....	....	....	....	....	....	....	714
1926-30	882	....	....	....	....	....	151	....	25	40	....	....	....	....	....	....	....	1098
1931-35	1221	....	....	....	....	....	240	....	36	67	....	....	....	....	122	....	....	1686
1936-40	1268	....	....	....	....	....	319	....	38	102	....	....	....	....	158	....	....	1885
1941-45	1139	....	....	....	....	....	446	....	44	130	....	....	....	13	208	28	....	2008
1946-50	3321	....	198	66	....	330	1262	5	90	472	336	115	....	158	1001	240	....	7594
1951-55	2404	....	178	113	....	280	972	71	77	272	435	227	114	155	398	253	....	5949
1956	299	....	35	19	....	39	132	8	....	25	58	38	60	20	96	36	....	865
Oct.	116	....	4	7	....	....	19	....	21	7	....	2	....	3	9	84	....	272
1957	318	....	20	19	....	37	159	14	....	18	52	34	48	25	102	59	....	905
Oct.	119	....	....	3	....	....	3	2	32	4	....	5	2	....	10	183	....	363
1958	225	70	32	14	....	35	177	7	....	28	72	36	45	18 *28	103	135	....	1025
Oct.	74	19	2	7	....	3	19	1	45	3	....	5	2	1	13	194	....	388
1959	247	78	32	17	....	33	193	9	....	29	73	29	42	24 *63	89	88	....	1046
Oct.	160	28	3	8	....	4	20	....	41	4	....	2	5	3 * 5	12	117	....	412
1960	292	146	34	12	....	37	169	12	....	33	63	28	51	33 *20	116	80	....	1126
Oct.	122	32	6	5	....	....	24	1	49	4	....	4	4	....	20	142	....	413
1961	282	151	36	13	....	49	192	10	....	29	80	30	39	29 *24	95	90	....	1149
Oct.	133	44	1	9	....	1	23	3	60	7	....	5	2	7	16	142	....	453
1962	331	185	31	26	7	57	203	16	....	24	75	31	51	26	94	118	27	1302
Oct.	128	43	3	10	2	3	13	1	27	8	....	11	1	2	34	173	1	460
1963	392	238	32	14	12	71	171	13	....	30	60	12	49	26	117	178	34	1449
Oct.	163	49	1	18	2	2	24	4	26	10	1	2	....	2	29	248	....	581
1964	528	326	37	19	6	71	196	14	....	33	63	35	43	35	90	181	43	1720
Oct.	187	66	6	9	3	....	21	6	29	15	1	3	....	5	25	314	1	691
1965	620	332	40	21	20	82	170	12	32	36	60	28	42	40	111	220	52	1918
Fall	192	71	5	19	6	6	11	6	2	5	....	2	1	3	21	352	1	703

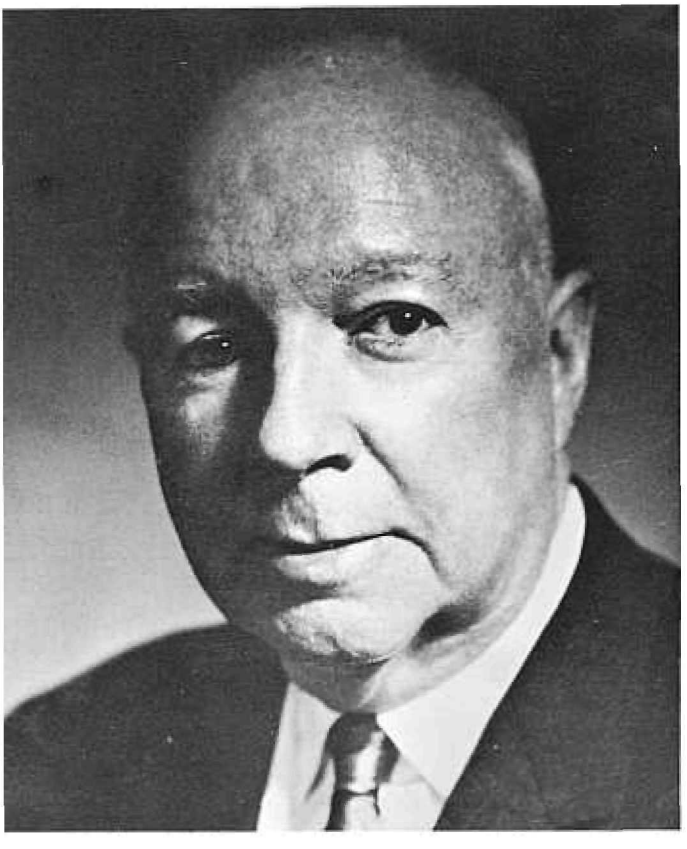
* Sopron

THE UNIVERSITY OF BRITISH COLUMBIA

Degrees Conferred

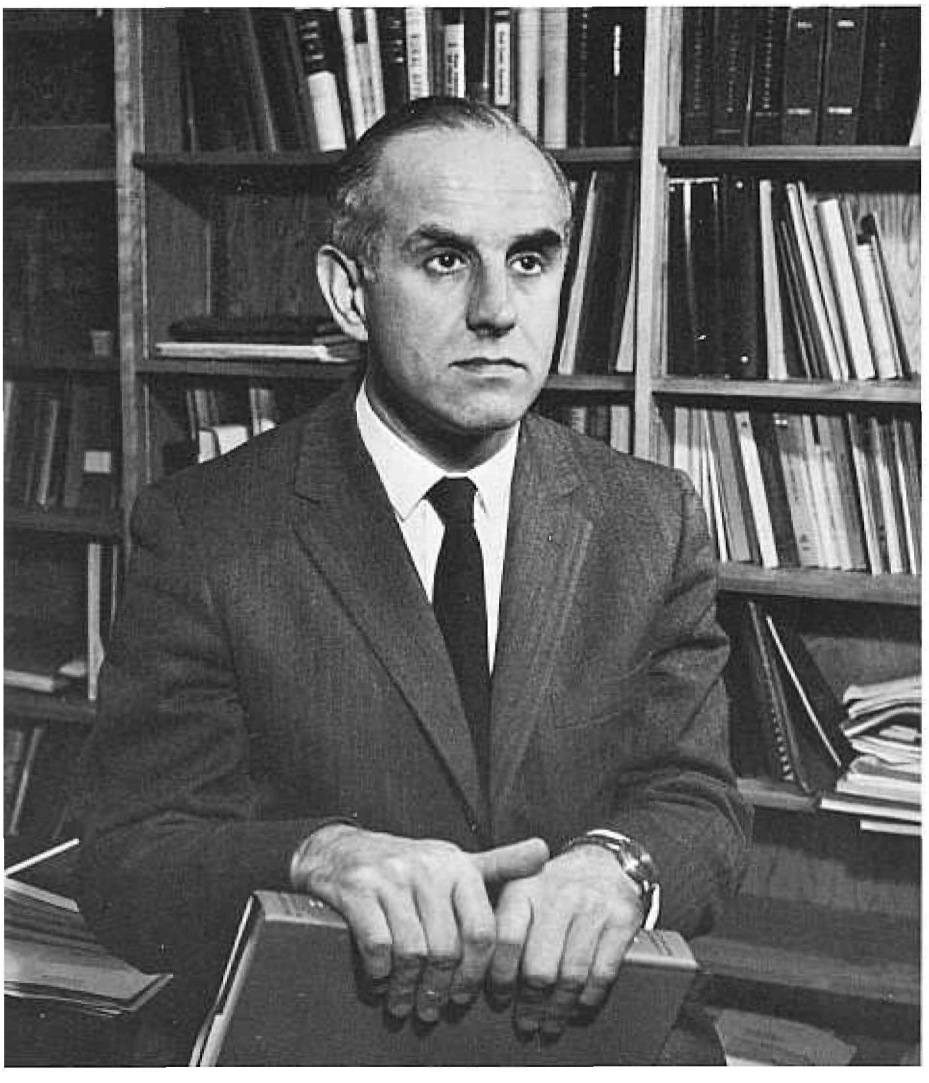
Graduate

YEAR	Ph.D.	M.A.	M.Sc.	M.A.Sc.	M.S.A.	M.B.A.	M.F.	M.S.W.	M.S.P.	M.Arch.	M.P.E.	M.Ed.	TOTAL	Total Grad. & Undergr. Degrees	CUMUL. TOTAL
May-Oct. 1916-20	....	11	....	1	....	....	....	....	....	....	....	....	12	228	
1921-25	....	46	....	15	4	....	....	....	....	....	....	....	65	779	1007
1926-30	....	71	....	8	7	....	....	....	....	....	....	....	86	1184	2191
1931-35	....	113	....	27	22	....	....	....	....	....	....	....	162	1848	4039
1936-40	....	145	....	31	27	....	....	....	....	....	....	....	204	2089	6128
1941-45	....	98	....	31	17	....	....	....	....	....	....	....	146	2154	8282
1946-50	4	241	....	79	51	....	....	48	....	....	....	....	422	8016	16298
1951-55	37	207	61	59	57	2	9	118	....	....	....	....	550	6499	22797
1956	12	22	11	10	5	1	1	18	....	....	....	....	80	945	23742
Oct.	7	17	10	5	1	....	....	2	....	....	....	....	42	314	24056
1957	4	15	10	8	6	1	1	17	....	....	....	....	62	967	25023
Oct.	7	9	12	4	2	....	2	2	....	....	....	3	41	404	25427
1958	8	26	18	12	4	....	3	8	....	....	....	3	82	1107	26534
Oct.	3	20	10	10	1	....	1	3	....	....	....	5	53	441	26975
1959	8	15	12	12	7	....	3	20	....	....	1	4	82	1128	28103
Oct.	9	10	23	12	....	....	1	....	....	....	1	8	64	476	28579
1960	18	22	25	13	5	4	4	13	....	....	1	8	113	1239	29818
Oct.	9	23	19	14	4	3	4	3	....	....	1	11	91	504	30322
1961	3	26	21	16	4	....	8	14	....	....	1	5	98	1247	31569
Oct.	5	25	29	10	2	....	....	3	1	....	1	24	100	553	32122
1962	12	25	31	14	6	1	5	17	....	....	2	9	122	1424	33546
Oct.	21	29	29	19	5	1	2	9	....	....	....	32	147	607	34153
1963	20	34	29	19	5	1	3	21	....	....	5	11	148	1597	35750
Oct.	16	39	28	15	1	2	2	5	2	1	....	39	150	731	36481
1964	26	44	21	24	6	4	4	37	....	....	1	13	180	1900	38381
Oct.	30	39	48	15	4	4	1	1	2	....	2	31	177	868	39249
1965	22	55	28	10	8	7	2	41	2	....	3	15	193	2111	41360
Fall	31	30	25	17	5	3	2	2	1	....	1	14	131	834	42194



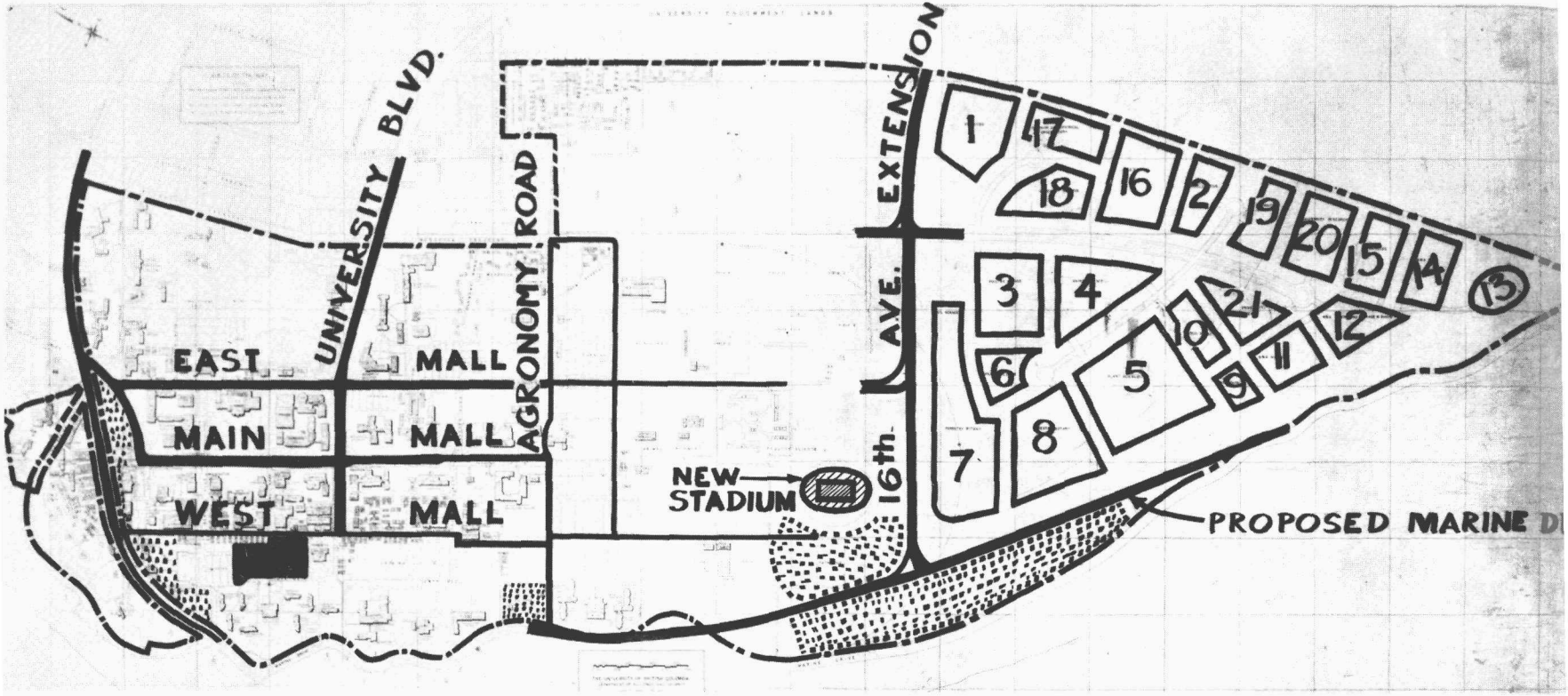
Chancellor John M. Buchanan

Alma Mater Society President, Peter Braund (right), and Past President Byron Hender present a scroll to retiring Chancellor, Dr. Phyllis G. Ross.



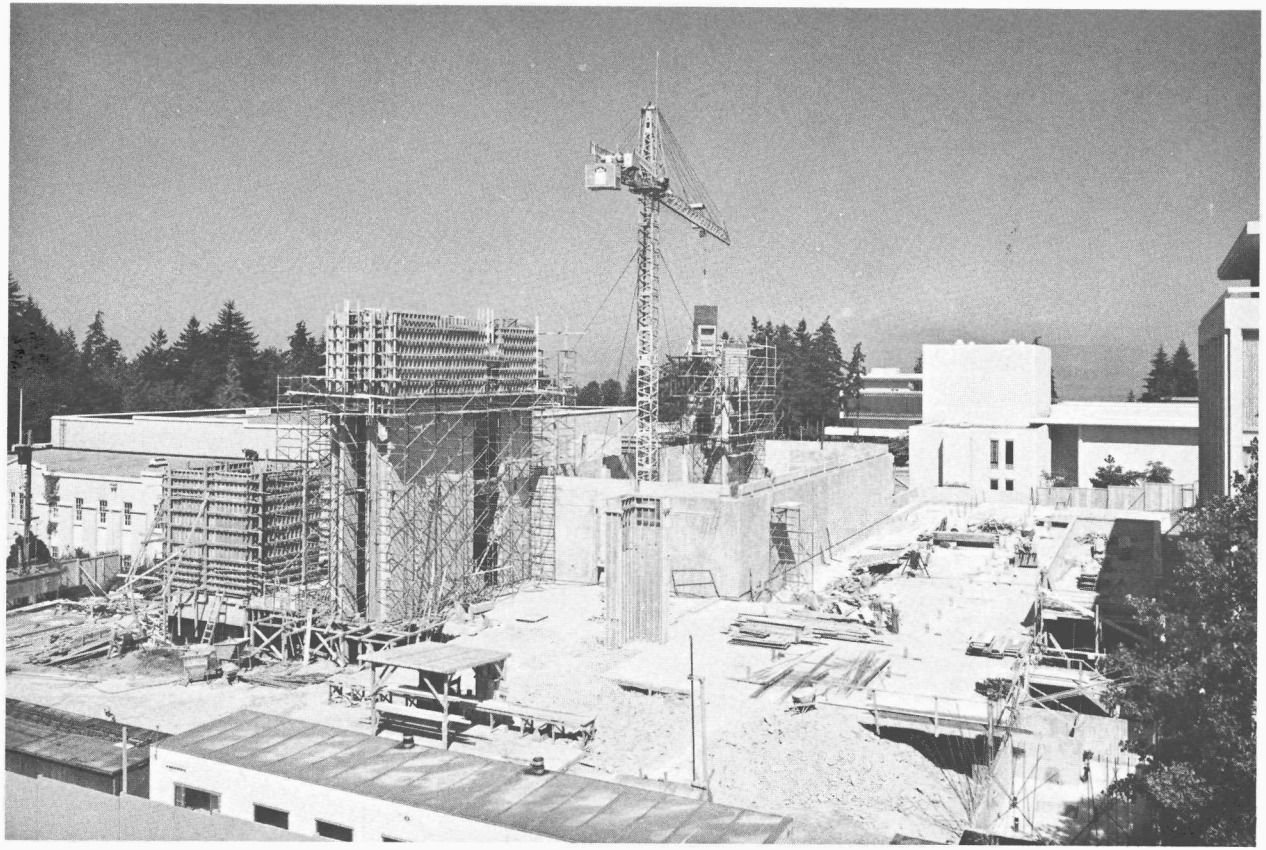
Philip H. White
Dean of the Faculty of Commerce and Business Administration

William M. Armstrong
Dean of the Faculty of Applied Science

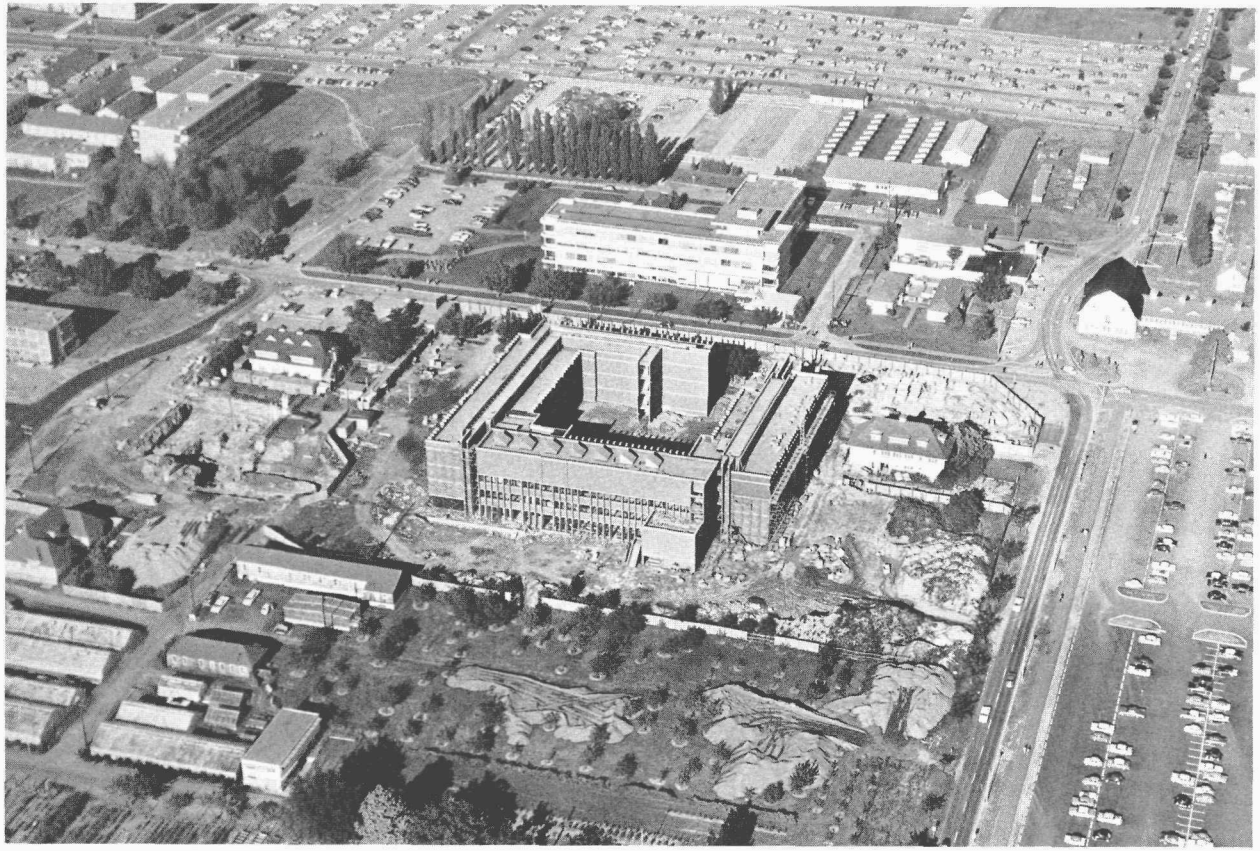


The map shows the areas allocated for research and for the new arboretum at the south end of the campus. Areas designated as the University Botanical Garden and Abrotetum are heavilydotted. Key: 1. Institute of Fisheries; 2. TRIUMF accelerator; 3. Poultry Science; 4. Animal Science; 5. Plant Science; 6. Zoology-Wildlife; 7. and 8. Forestry and Botany; 9. Greenhouses; 10. Rhododendron nursery; 11. UBC Buildings and Grounds nursery; 12. UBC Buildings and Grounds Storage; 13. Burning area; 14. UBC Buildings and Grounds yard; 15. UBC Buildings and Grounds vehicles; 16. BC Research Council; 17. National Institute of Astronomy; 18, 19, 20 and 21. University reserve.

Development at the southern end of the campus. In the foreground the stadium under construction.

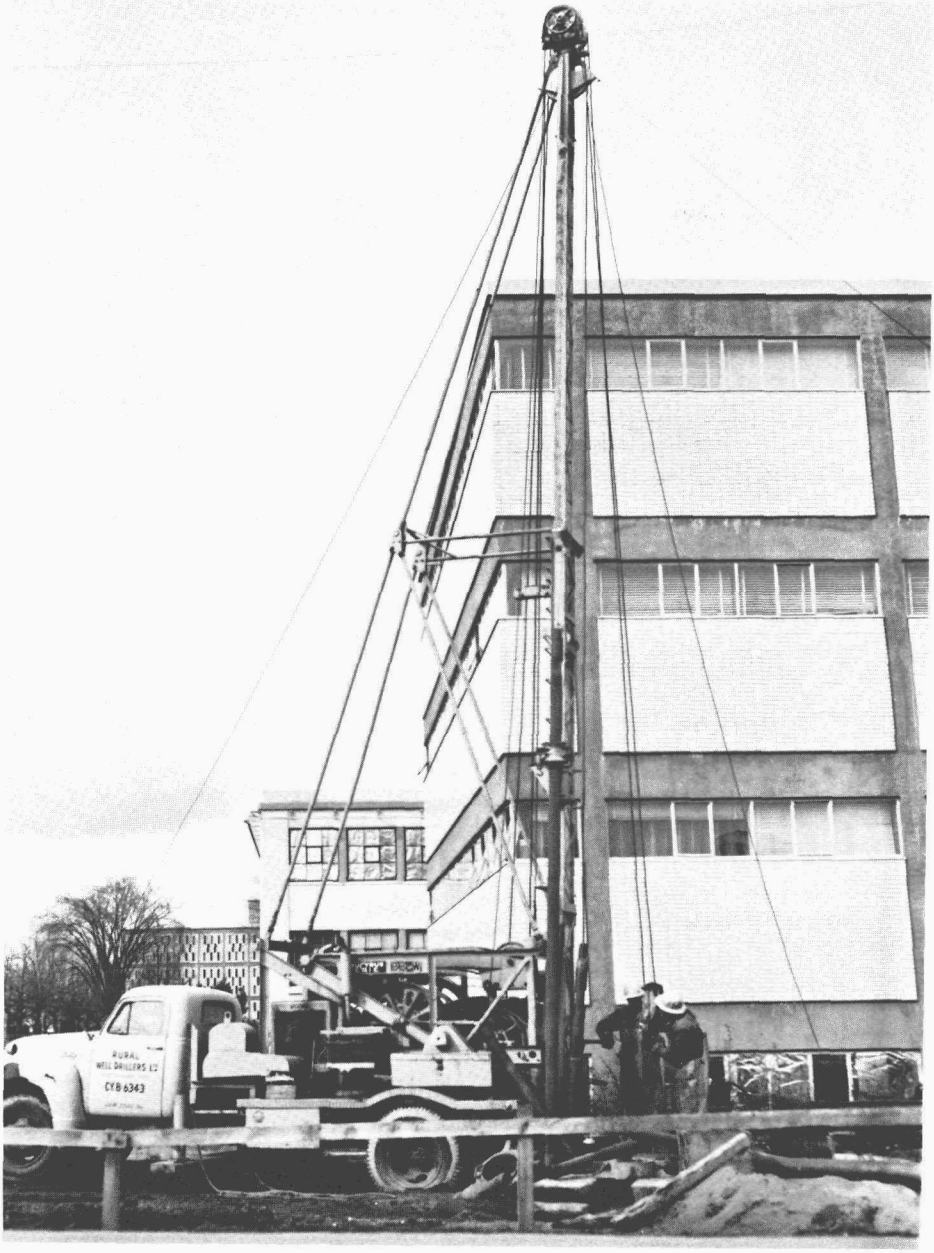


The Music Building

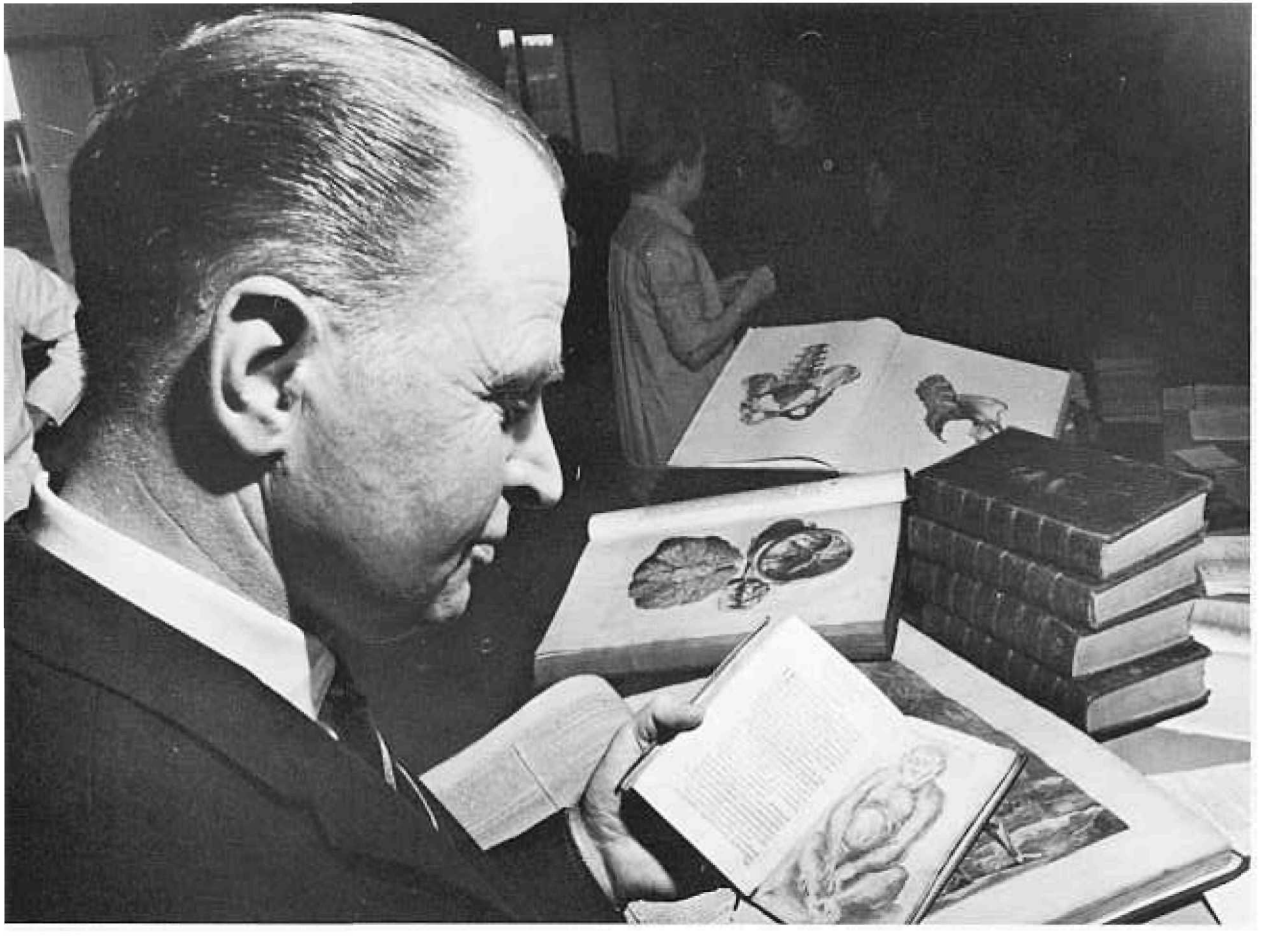


Faculties of Forestry and Agriculture Building

Dr. O. Sziklai demonstrates the cross-pollenation process, aimed at developing improved varieties of Douglas Fir.



Drilling a 325-foot well at the Biological Sciences Building.



Part of the collection of rare scientific and medical books purchased by the Library. It has been suggested that the drawing of the chimpanzee is by Rembrandt.

T. S. Eliot: The Cocktail Party

J.-B. P. Molière: The School for Wives

Two productions at the Frederic Wood Theatre, now part of the N. A. M. MacKenzie Centre for the Fine Arts.

4

FORMAL AND INFORMAL

ON OCTOBER 1ST an important gathering took place in Brock Hall to commemorate the fiftieth anniversary of lectures at the University. In attendance were 58 of the original students and faculty. Chancellor Ross, herself a student at the Fairview Shacks, paid tribute to those pioneers of higher education in British Columbia. The second president, Dr. L. S. Klinck, and the third president, Dr. N. A. M. MacKenzie, were introduced by Dr. MacDonald. The President contrasted the past university with the present one, and spoke of the developments of the future. Dr. H. T. Logan, former Head of the Department of Classics and one of the original members of faculty, described life in the Shacks, and pointed out that U.B.C. was born during the tragic period of World War I. "The spirit of *Tuum est* was the spirit on which this University was founded," he said, "and it is still abroad on the campus today."

At the other end of the academic year another extremely important ceremony took place. On June 3rd, 1966, John M. Buchanan, a member of the graduating class of 1917, was installed as Chancellor. The Lieutenant-Governor, The Honourable G. R. Pearkes administered the oath of office to Mr. Buchanan. As Chancellor Mr. Buchanan is an *ex officio* member of the Board of Governors and Chairman of Convocation. Mr. Buchanan graduated with a B.A. in 1917, and enjoyed a highly successful career with British Columbia Packers Ltd. He was president of the Alumni Association in 1949-1950 and a member of the Senate and Board of Governors from 1951 to 1957. In 1951 the Alma Mater Society presented the Great Trekker Award to Mr. Buchanan for his continuing contribution to University affairs.

Retiring Chancellor Phyllis Ross was honoured by the University. Dr. MacDonald, on behalf of the University, presented her with a scroll at the June 3rd Congregation. The Scroll paid tribute to Chancellor Ross's unfailing interest in the hopes and needs of students, to the distinction she brought to the Chancellorship by her active participation on policy-making committees and to the dignity with which she has represented the University to the world at large. The University is grateful for her affection and loyalty, for her valued contribution to its life and work and for her inspirational and continuing confidence in its growth and destiny.

In April the Alma Mater Society honoured the Chancellor with the presentation of a scroll celebrating her immeasurable contribution to the quality of student life.

On September 30th, the Lieutenant-Governor, The Honourable G. R. Pearkes officially opened and named the Henry Angus Building. This building will accommodate the Faculty of Commerce and Business Administration, and the social science departments of the Faculty of Arts.

The University decided to elminate the Autumn Congregation, and to add a third day to the Spring Congregation. A record 2,324 students received their degrees at the Congregation of June 1st, 2nd, and 3rd. Honorary degrees were conferred on June 1st and 2nd to A. Y. Jackson, one of Canada's foremost painters and a founding member of the Group of Seven, to Miss M. E. A. Moscrop, internationally known for her pioneering studies in social work, to L. A. Royal, director of investigations for the International Pacific Salmon Fisheries Commission, to Sir John C. Eccles, Professor of Physiology at the Australian National University and 1963 Nobel Prize winner in medicine, to The Honourable Paul Martin, Secretary of State for External Affairs, and to Dr. G. N. Perry, Deputy Minister of Education for British Columbia and former Vice-President and Dean of the Faculty of Commerce and Business Administration.

The Rutherford Memorial Lecture was given on October 5th by Professor P. I. Dee of Glasgow University. His subject was "The Atomic Nucleus." There were two Hewitt Bostock lecturers, Professor A. Prior of Manchester University on "Past, Present and Future" in November, and Professor S. T. Bindoff of Queen Mary College, London on "The Tudors, forced or forceful?" in March.

In October, Professor V. R. Lorwin of the University of Oregon lectured on "Conflict and Compromise in a Multi-lingual Country:

the Case of Belgium," and Sir John Crawford of the Australian National University spoke of "The Population Crisis in Asia." November brought Dr. A. Cain to the campus to lecture on "The Quest for Sovereignty, the Beowolf theme and Germano-Celtic Religion." February and March were months of many public lectures. In February: Professor E. Badian of Leeds University took as his topic "Alexander and the Greeks," Professor E. T. Solomon of McMaster University spoke on "The Beginnings of the Latin World," Professor W. H. Sokel lectured on "The Absurd as Touchstone of Faith in Kleist, Kierkegaard and Musil," Dr. H. Keenleyside's subject was "Hammarskjold and the Debility of Governments." In March: Professor T. Husen of the University of Stockholm discussed "Re-Shaping Secondary Education in Europe," Dr. P. H. Nurse of the University of Kent lectured on "Molière and Satire," Mr. B. A. Alexander gave two lectures, "Eccentric Author and Collector: William Beckford of Fonthill" and "The Beckford Papers," Professor S. B. John of the University of Sussex and Canada Council Visiting Professor at the University of Western Ontario, took as his subject "Myth and Contemporary French Drama," Dr. E. Higbee of the University of Rhode Island spoke on "The City Environment: The Human Purpose in Physical Planning," and Mr. D. Lindsay, Head Master of Malvern College, lectured on "Ferment in British Education." The lecture season closed on May 15th with Professor G. Ryle of Oxford University whose paper was titled "Privacy Again."

Thanks are owed to the Committee on Lectures and to its Secretary, Sir Ouvry Roberts, for placing such a wide variety of distinguished visitors before the University.

The Department of Fine Arts organized nine exhibitions in the Art Gallery. "Art in British Columbia: Heritage and Promise" was an outstanding survey of art in the province from prehistoric times to the present. Four of the exhibitions were organized in co-operation with other departments — "The Cosmic View" (Department of Asian Studies), "Piranesi's Views of Rome" (Department of Romance Studies and School of Architecture), "Japanese Maps" (University Library) and "Art Education: The Child and Creativity" (Faculty of Education).

The Frederic Wood Theatre maintained a very high standard in its productions. During the year it presented "The Cocktail Party," "Love's Labour's Lost," "The School for Wives," "Happy

Days," "Mother Courage and her Children" and, as a follow-up on last year's successful review, "In the Rough II."

Throughout the year the President entertained many visitors. In July a U.S.S.R. delegation visited the campus. In September we were privileged to receive Dr. Edward Conze, the well-known authority on Buddhism, The Honourable Jean Lesage, Premier of Québec, and Dr. A. Beacham, Vice-Chancellor of the University of Otago, New Zealand. In October Their Imperial Highnesses Prince and Princess Mikasa visited the campus and examined the Library, and Dr. and Mrs. J. Bronowski included a visit to the Leadership Conference during their stay. October also brought Professor Linus Pauling, His Excellency François Leduc, the French Ambassador, and Duff Roblin, Premier of Manitoba. In November His Excellency Dr. A. Cruz, the Cuban Ambassador, and The Honourable Mr. Justice S. Freedman, Chancellor of the University of Manitoba visited the campus.

CHANGES IN FACULTY AND STAFF

The Faculty of Agriculture

APPOINTMENTS

Mr. M. Jaeger (Lecturer in Agricultural Economics)
Mr. G. F. Kennedy (Instructor in Agricultural Mechanics)
Dr. S. Nakai (Assistant Professor of Dairying)

RESIGNATIONS

Dr. J. J. Richter (Professor of Agricultural Mechanics)

TRANSFERRED TO THE FACULTY OF SCIENCE, DEPARTMENT OF MICROBIOLOGY

Dr. J. J. R. Campbell
Dr. A. F. Gronlund

The Faculty of Applied Science

APPOINTMENTS

Dr. W. M. Armstrong (Dean of the Faculty of Applied Science)
Dr. R. G. Campanella (Assistant Professor of Civil Engineering)
Miss M. E. Campbell (Assistant Professor, School of Nursing)
Dr. J. P. Duncan (Head of the Department of Mechanical Engineering)
Miss D. Green (Instructor, School of Nursing)
Dr. E. G. Hauptmann (Assistant Professor of Mechanical Engineering)
Miss S. Holmes (Instructor, School of Nursing)
Dr. J. Leja (Professor of Mineral Engineering)
Mrs. K. McAllister (Instructor, School of Nursing)
Dr. R. Singh (Assistant Professor of Civil Engineering)

RESIGNATIONS

Dr. W. M. Armstrong (Head of the Department of Metallurgy)
Mr. W. A. Goruk (Research Associate in Electrical Engineering)
Mrs. M. Harrison (Instructor, School of Nursing)
Miss C. Larsen (Instructor, School of Nursing)
Miss R. Morrison (Professor, School of Nursing)
Miss R. Murakami (Instructor, School of Nursing)
Dr. P. Zeiger (Assistant Professor of Electrical Engineering)

LEAVES OF ABSENCE

Dr. M. P. Beddoes (Associate Professor of Electrical Engineering)
Dr. M. Iqbal (Assistant Professor of Mechanical Engineering)
Dr. A. C. Soudack (Assistant Professor of Electrical Engineering)

DEATHS

Mrs. A. M. Armstrong (Lecturer in Metallurgy)
Mr. H. Pendar (School of Architecture)

The Faculty of Arts

APPOINTMENTS

J. Allgaier (Lecturer in English)
I. A. Arnold (Instructor in French)
P. J. Blenkinsop (Lecturer in French)
Dr. P. G. Bradley (Assistant Professor of Economics)
A. Busza (Instructor in English)
Fo-Ch'uan Chang (Professor of Asian Studies)
Dr. J. A. Crane (Associate Professor of Social Work)
Dr. G. de Stefanis (Instructor in Italian)
Dr. A. di Pierro (Assistant Professor of Economics)
W. Duff (Associate Professor of Anthropology)
Miss M. Dwyer (Lecturer in Fine Arts)
Dr. D. G. Findlay (Associate Professor of Social Work)
Mrs. C. Forster (Lecturer in English)
E. Frey (Instructor in German)
Dr. R. G. Golledge (Assistant Professor of Geography)
Dr. J. D. Boyd (Assistant Professor of Economics)
V. Gross (Instructor in Slavonic Studies)
Mrs. R. J. Haddon (Lecturer in English)
Dr. G. F. Hamilton (Assistant Professor of Social Work)
Mrs. M. Hardman (Lecturer in English)
Mrs. H. Hicks (Instructor in Social Work)
C. W. Humphries (Assistant Professor of History)
J. Iglesias (Instructor in Spanish)
Dr. L. Jenaro-MacLennan (Assistant Professor of Spanish and Italian)
J. E. M. Kew (Instructor in Anthropology)
Mrs. L. Knutson (Instructor in Spanish and French)
Mrs. M. A. Kirk (Lecturer in Home Economics)
E. Landauer (Assistant Professor of Sociology)
Miss R. C. Lang (Instructor in French)
Miss J. Lapeyre (Lecturer in English)
S. Levitan (Instructor in English)
J. Loban (Assistant Professor of Music)
A. J. H. Marriage (formerly in Social Work — Associate Professor of Sociology)

H. Martin (Instructor in German)
B. H. Mayne (Instructor in English)
Miss G. M. Merler (Lecturer in Italian)
R. S. Milne (Professor and Head of the Department of Political Science)
J. E. E. Mornin (Instructor in German)
J. A. MacDonald (Instructor in Social Work)
Mrs. R. B. McBride (Lecturer in French)
Dr. G. McWhiney (Associate Professor of History)
Dr. W. H. New (Assistant Professor of English)
J. Panter (Instructor in French)
Dr. G. Parry (Assistant Professor of English)
Dr. J. Pascual-Leone (Assistant Professor of Psychology)
Mrs. C. Payerle (Lecturer in English)
Dr. W. M. Petrusic (Assistant Professor of Psychology)
G. Piternick (Associate Professor of Librarianship)
Dr. G. E. Plum (Assistant Professor of Psychology)
D. L. Powell (Instructor in English)
Dr. H. M. C. Purkis (Assistant Professor of French)
Dr. J. D. Rae (Assistant Professor of Economics)
Mrs. I. V. Robertson (Lecturer in English)
H. J. Rosengarten (Instructor in English)
J. Shepherd (Instructor in Economics)
A. R. Shucard (Instructor in English)
K. Simpson (Lecturer in English)
Mrs. M. Sinel (Lecturer in English)
Dr. P. G. Stanwood (Assistant Professor of English)
J. P. Stewart (Assistant Professor of Philosophy)
Mrs. E. Stronach (Lecturer in English)
J. Swan (Instructor in Music)
E. I. Taylor (Instructor in Social Work)
Dr. R. C. Tees (Assistant Professor of Psychology)
Miss H. Terlecka (Instructor in Slavonic Studies)
Mrs. H. Thomas (Lecturer in English)
R. Turner (Instructor in Sociology)
S. A. Weese (Instructor in Theatre)
Mrs. M. Whitaker (Lecturer in English)
Dr. M. W. Zacher (Assistant Professor of Political Science)

RESIGNATIONS

Dr. R. W. Adler (Instructor in Economics)
R. E. Atkin (Lecturer in English)
Dr. A. E. Birney (Professor of Creative Writing)
F. Bowers (Instructor in English)
T'ung-Tsu Ch'u (Associate Professor of Asian Studies)
G. O. B. Davies (Professor of History)
Miss S. I. Day (Lecturer in English)

Dr. R. W. Dunning (Professor of Anthropology)
A. B. England (Instructor in English)
Dr. D. Fraser (Assistant Professor of Psychology)
Miss M. E. Galbraith (Lecturer in English)
A. Gazetas (Assistant Professor of Theatre)
Dr. R. G. Golledge (Assistant Professor of Geography)
Miss L. B. Greenwood (Lecturer in English)
V. Gross (Instructor in Slavonic Studies)
Mrs. R. J. Haddon (Lecturer in English)
Dr. R. A. Holmes (Assistant Professor of Economics)
Dr. D. J. M. Hooson (Associate Professor of Geography)
J. Iglesias (Instructor in Spanish)
Miss J. Lapeyre (Lecturer in English)
Miss G. M. Merler (Lecturer in Italian)
K. M. MacKay (Lecturer in English)
J. Panter (Instructor in French)
G. W. Pepper (Assistant Professor of Social Work)
Mrs. H. Quillévéré (Lecturer in English)
Miss M. Robinson (Instructor in Spanish)
J. Shepherd (Instructor in Economics)
Dr. R. Simaika (Assistant Professor of French)
Dr. H. Thomassen (Assistant Professor of Economics)
Dr. C. Treil (Assistant Professor of French)
K. Tsusami (Assistant Professor of Asian Studies)
Dr. D. Ward (Assistant Professor of Geography)
M. Wheeler (Associate Professor of Social Work)
Mrs. M. A. I. Whitaker (Lecturer in English)
W. E. Wright (Assistant Professor of Political Science)

LEAVES OF ABSENCE

Mrs. J. C. Adams (Lecturer in Music)
Dr. C. S. Belshaw (Professor of Anthropology)
Dr. A. E. Birney (Professor of Creative Writing)
J. de Bruyn (Associate Professor of English)
Dr. C. W. J. Eliot (Associate Professor of Classics)
J. Fornataro (Assistant Professor of Social Work)
Dr. D. C. Fraser (Assistant Professor of Psychology)
Dr. W. E. Fredeman (Associate Professor of English)
Dr. L. E. Hill (Assistant Professor of History)
Dr. V. G. Hopwood (Associate Professor of English)
Dr. S. M. Jamieson (Professor of Economics)
Dr. F. A. Krügel (Assistant Professor of German)
A. M. Moore (Associate Professor of Economics)
Dr. R. Morris (Associate Professor of Music)
Dr. W. J. Mullins (Associate Professor of Philosophy)
Dr. F. S. Newby (Assistant Professor of English)
G. Pepper (Assistant Professor of Social Work)

Dr. P. Pinkus (Associate Professor of English)
Dr. G. E. Powell (Assistant Professor of English)
Dr. M. E. Prang (Associate Professor of History)
Dr. J. L. Robinson (Professor of Geography)
Dr. E. Stockholder (Assistant Professor of English)
Dr. G. Tougas (Professor of French)
A. W. Wainman (Associate Professor of Slavonic Studies)

The Faculty of Commerce and Business Administration

APPOINTMENTS

D. G. A. Carter (Lecturer)
J. Hamilton (Lecturer)
G. B. Hunnings (Instructor)
Dr. C. E. Lee (Visiting Professor)
W. F. J. Wood (Lecturer)

RESIGNATIONS

W. Becker (Part-time Lecturer)
Miss F. Brown (Part-time Lecturer, transferred to Education)
B. I. Ghert (Part-time Lecturer)
Dr. W. Hughes (Associate Professor)
Dr. V. V. Murray (Assistant Professor)
Dr. J. C. Narver (Assistant Professor)
Dr. G. D. Quirin (Associate Professor)
J. C. Wiginton (Part-time Lecturer)

LEAVES OF ABSENCE

D. C. Aird (Associate Professor)
A. Beedle (Associate Professor)
G. Gorelik (Assistant Professor)

The Faculty of Dentistry

APPOINTMENTS

Dr. T. J. Harrop (Assistant Professor of Restorative Dentistry)
Dr. R. M. Jacobs (Associate Professor of Orthodontics)

RESIGNATIONS

Dr. D. G. Gardner (Assistant Professor of Oral Medicine)

The Faculty of Education

APPOINTMENTS

F. Bertram (Assistant Professor)
Dr. C. Brauner (Associate Professor)

Dr. A. Clingman (Associate Professor)
Dr. J. Coombs (Assistant Professor)
Dr. L. Downey (Professor)
M. Elliott (Assistant Professor)
F. Fiedler (Assistant Professor)
C. Gillespie (Assistant Professor)
Mrs. M. Golledge (Assistant Professor)
V. Keenan (Assistant Professor)
R. Lewis
R. Merriam
P. Olley (Lecturer)
Miss C. Overall
M. Robbins (Assistant Professor)
N. Stacey (Assistant Professor)
Dr. J. Stephens (Professor)
G. Stubbs (Assistant Professor)
Miss M. Tomkins (Assistant Professor)
P. Trant
Mrs. J. Underwood
D. Webster (Assistant Professor)
Dr. R. Whaley (Assistant Professor)
J. Wolforth (Instructor)

RESIGNATIONS

L. B. Daniels (Lecturer)
L. Davies (Assistant Professor)
Dr. J. Ellis (Associate Professor)
J. Felty
Dr. R. Hammond (Assistant Professor)
E. Loomer (Instructor)
Dr. W. Murra (Associate Professor)

LEAVES OF ABSENCE

W. Boldt
J. R. McIntosh
Miss A. Tilley

DEATHS

S. Shopland

The Faculty of Forestry

APPOINTMENTS

W. W. Jeffrey (Assistant Professor)
Dr. A. Kozak (Assistant Professor)

The Faculty of Graduate Studies

APPOINTMENTS

R. Collier (Lecturer, Community and Regional Planning)
Dr. V. S. Pendakur (Part-time Lecturer, Community and Regional Planning)
Dr. P. H. LeBlond (Assistant Professor, Institute of Oceanography)
Dr. J. W. Murray (Assistant Professor, Institute of Oceanography)
Dr. K. Sato (Lecturer, Institute of Earth Sciences)
Dr. T. Kitamura (Lecturer, Institute of Earth Sciences)

RESIGNATIONS

Dr. C. C. Lindsay (Assistant Professor, Institute of Fisheries)
Dr. J. T. McFadden (Assistant Professor, Institute of Fisheries)

The Faculty of Law

APPOINTMENTS

J. J. Atrens (Assistant Professor)
R. W. V. Dickerson (Assistant Professor)
J. T. English (Assistant Professor)
A. Hooper (Assistant Professor)

LEAVES OF ABSENCE

E. C. E. Todd (Professor)
D. S. Huberman (Associate Professor)
R. W. V. Dickerson (Assistant Professor)

The Faculty of Medicine

APPOINTMENTS

Dr. D. A. Applegarth (Assistant Professor, Department of Paediatrics)
Dr. R. M. Baird (Clinical Instructor, Department of Surgery)
Dr. K. C. Berry (Clinical Instructor, Department of Medicine)
Dr. J. S. Bland (Clinical Instructor, Department of Psychiatry)
Dr. J. C. Brown (Assistant Professor, Department of Physiology)
Dr. R. L. Coupe (Instructor, Department of Medicine)
Dr. P. Coy (Clinical Instructor, Department of Surgery)
Dr. J. U. Crichton (Assistant Professor, Department of Paediatrics)
Dr. W. A. Doll (Clinical Instructor, Department of Surgery)
Dr. G. R. F. Elliott (Acting Head of the Department of Preventive Medicine)
Dr. B. Garrow (Clinical Instructor, Department of Medicine)
Dr. D. C. Graham (Assistant Professor, Department of Medicine)
Miss M. J. Hunter (Instructor, School of Rehabilitation Medicine)

Dr. J. A. Irving (Clinical Instructor, Department of Ophthalmology)
Dr. R. D. Jack (Teaching Fellow, Department of Physiology)
Dr. R. Keeler (Assistant Professor, Department of Physiology)
Dr. W. J. Knickerbocker (Clinical Instructor, Department of Medicine)
Dr. D. Lirenman (Assistant Professor, Department of Paediatrics)
Dr. C. N. Loeser (Professor, Department of Anatomy)
Dr. J. A. McConnel (Clinical Instructor, Department of Medicine)
Miss B. A. McConell (Instructor, School of Rehabilitation Medicine)
Dr. D. J. MacFayden (Associate Professor, Department of Medicine)
Dr. A. D. McKenzie (Clinical Professor, Department of Surgery)
Dr. D. G. McPherson (Clinical Instructor, Department of Surgery)
Dr. R. I. McPherson (Clinical Instructor, Department of Medicine)
Dr. A. L. Molaro (Clinical Instructor, Department of Medicine)
Dr. D. I. Peretz (Clinical Instructor, Department of Medicine)
Dr. T. E. Powell (Clinical Instructor, Department of Surgery)
Dr. G. E. Price (Instructor, Department of Medicine)
Dr. J. H. Quastel (Professor, Department of Psychiatry)
Dr. J. S. Randall (Clinical Instructor, Department of Surgery)
Dr. R. C. Schofer (Clinical Instructor, Department of Surgery)
Dr. G. Screech (Clinical Instructor, Department of Surgery)
Miss Alice M. Stewart (Nuffield Visiting Professor, Department of Preventive Medicine)
Dr. S. C. Sung (Associate Professor, Department of Psychiatry)
Dr. G. Szasz (Assistant Professor, Department of Preventive Medicine)
Dr. W. Thomas (Teaching Fellow, Department of Obstetrics and Gynaecology)
Dr. A. D. Tobe (Instructor, Department of Medicine)
Dr. I. M. Turnbull (Instructor, Department of Surgery)
Dr. D. M. Warner (Clinical Instructor, Department of Ophthalmology)
Dr. J. G. Watt (Clinical Instructor, Department of Surgery)

RESIGNATIONS

Dr. L. S. Anderson (Clinical Instructor, Department of Preventive Medicine)
Dr. J. S. D. Burnes (Clinical Instructor, Department of Surgery)
Dr. E. C. Cameron (Instructor, Department of Surgery)
Dr. D. L. Collins (Teaching Fellow, Department of Surgery)
Dr. A. J. D. Friesen (Part-time Instructor, Department of Pharmacology)
Dr. M. E. Hall (Clinical Instructor, Department of Surgery)
Dr. R. D. Jack (Teaching Fellow, Department of Pharmacology)
Dr. G. M. Ling (Associate Professor, Department of Pharmacology)
Dr. J. de Maria (Assistant Professor, Department of Obstetrics and Gynaecology)
Dr. A. D. McKenzie (Professor and Head, Department of Surgery)

Dr. J. P. Munro (Instructor, Department of Physiology)
Dr. J. D. Oh (Assistant Professor, Department of Pathology)
Dr. B. Wong (Clinical Instructor, Department of Psychiatry)

RETIREMENTS

Dr. M. M. Baird (Clinical Associate Professor, Department of Medicine)
Dr. J. A. Elliott (Clinical Assistant Professor, Department of Surgery)
Dr. J. M. Mather (Professor and Head of the Department of Preventive Medicine)
Dr. T. R. Sarjeant (Clinical Professor, Department of Surgery)

LEAVES OF ABSENCE

J. H. Doughty (Clinical Instructor, Department of Preventive Medicine)
Dr. H. Dunn (Associate Professor, Department of Paediatrics)
Dr. A. Richman (Associate Professor, Department of Psychiatry)

The Faculty of Pharmacy

APPOINTMENTS

Dr. F. S. Abbott (Assistant Professor)
Mrs. J. Freyman (Sessional Lecturer)

LEAVE OF ABSENCE

F. A. Morrison (Professor and Assistant to the Dean)

The Faculty of Science

APPOINTMENTS

Dr. G. A. Brosamler (Assistant Professor of Mathematics)
Dr. B. S. Brown (Assistant Professor of Mathematics)
Dr. M. G. Caputo (Associate Professor of Geophysics and Mathematics)
Dr. S. W. Charles (Visiting Assistant Professor of Chemistry)
Dr. D. P. Chong (Assistant Professor of Chemistry)
A. Davidson (Lecturer in Geology)
Dr. R. R. Douglas (Assistant Professor of Mathematics)
Dr. L. D. Druehl (Instructor in Botany)
Dr. D. W. Francis (Assistant Professor of Zoology)
Dr. A. J. Froderberg (Assistant Professor of Mathematics)
Dr. E. E. Granirer (Assistant Professor of Mathematics)
Dr. R. Gush (*neé Guccione*) (Assistant Professor of Physics)
Dr. P. H. LeBlond (Assistant Professor of Physics)
Mrs. H. LeQuesne (Part-time Lecturer in Chemistry)
Dr. W. G. Libby (Lecturer in Geology)

Dr. N. R. Liley (Assistant Professor of Zoology)
Dr. P. W. Martin (Assistant Professor of Physics)
C. F. von Meyenfeldt (Instructor in Physics)
Dr. J. W. Murray (Assistant Professor of Geology)
Dr. H. Nakajuna (Visiting Assistant Professor of Chemistry)
Dr. H. C. Nordan (Assistant Professor of Zoology)
Dr. A. M. Perks (Associate Professor of Zoology)
D. H. Phelps (Part-time Lecturer in Physics)
Dr. R. C. Riddell (Assistant Professor of Mathematics)
Dr. W. L. H. Shuter (Assistant Professor of Physics)
Dr. A. Storr (Assistant Professor of Chemistry)
Dr. D. Syeklocha (Lecturer in Microbiology)
Dr. E. W. Vogt (Professor of Physics)

RESIGNATIONS

Mrs. M. Devenyi (Lecturer in Chemistry)
Dr. S. E. Juhasz (Assistant Professor of Microbiology)
C. F. von Meyenfeldt (Instructor in Physics)
D. H. Phelps (Part-time Lecturer in Physics)
Dr. M. K. Rao (Assistant Professor of Mathematics)
Dr. W. E. Razzell (Associate Professor of Microbiology)
A. D. Stanley (Lecturer in Geology)
Dr. N. H. Thyer (Assistant Professor of Physics)

RETIREMENTS

Dr. J. A. Harris (Professor of Chemistry)

LEAVES OF ABSENCE

Dr. C. T. Anderson (Assistant Professor of Mathematics)
Dr. D. W. Bressler (Assistant Professor of Mathematics)
Dr. C. W. Clark (Assistant Professor of Mathematics)
Dr. N. J. Divinsky (Professor of Mathematics)
Dr. G. G. S. Dutton (Professor of Chemistry)
Dr. D. G. L. James (Associate Professor of Chemistry)
Dr. R. D. James (Professor and Head of the Department of Mathematics)
Dr. J. Kuijt (Assistant Professor of Botany)
Dr. W. H. Simons (Associate Professor of Mathematics)
Dr. J. B. Warren (Professor of Physics)
Dr. M. Sion (Professor of Mathematics)

Re: Faculty and Staff Publications

To reduce file size, the publications section has not been included. For this information, contact the University of British Columbia Archives.

1956 Main Mall
Vancouver, B.C. V6T 1Z1
Canada

Telephone: 604-822-5877
Fax: 604-822-9587