The second regular meeting of the Senate of the University of British Columbia for the Session 1964-65 was held on Wednesday, October 21, 1964, at 8:00 p.m., in the Board and Senate Room, Administration Building.

Present: President J. B. Macdonald (in the Chair), Chancellor Phyllis G. Ross, Mrs. H. F. Angus, Dr. K. F. Argue, Dr. C. S. Belshaw, Mr. R. M. Bibbs, Dr. A. E. Birney, Mr. J. F. Brown, Mr. W. T. Brown, Mr. F. L. Burnham, Mr. K. P. Caple, Dr. J. D. Chapman, Dean I. McT. Cowan, Dean G. F. Curtis, Dean B. A. Eagles, Mr. H. Elder, Dr. J.F.K. English, Dr. S. M. Friedman, Dean W. H. Gage, Dr. J. A. Jacobs, Dr. J.E.A. Kania, Dean S. W. Leung, Mr. S. L. Lipson, Dr. M. F. McGregor, Dr. K. C. Mann, Dr. G. W. Marquis, Dr. W. H. Mathews, Dean A. W. Matthews, Mr. F. A. Morrison, Dr. D. C. Murdoch, Dean D. M. Myers, Dean K. D. Naegele, Mr. E. P. Nicol, Dr. J. M. Norris, Dean V. J. Okulitch, Dr. M. A. Ormsby, Dr. G. J. Parfitt, Mr. H. N. Parrott, Dean G. N. Perry, Dr. A. J. Renney, Dr. W. Robbins, Dean N. V. Scarfe, Dr. R. F. Sharp, Dr. J.H.G. Smith, Dr. Ross Stewart, Mr. B. Stuart-Stubbs, Rev. W. S. Taylor, Mr. E.C.E. Todd, Mr. F. E. Walden, Dr. J. B. Warren, Acting-Dean R. W. Wellwood, Mr. P. H. White and Dr. S. H. Zbarsky.

Messages of regret for their inability to be present were received from Rev. J. Blewett, Dr. J. G. Foulks, Dr. H. B. Hawthorn, Mr. W. E. Ireland, Mr. J. S. Keate,

Dr. H. L. Keenleyside, Dean Helen McCrae, Dean J. F. McCreary, Mrs. H. J. MacKay, Mr. D. F. Miller, Rev. W. Nicholls, The Honourable James Sinclair, Dr. F. Turnbull, The Honourable Mr. Justice D. R. Verchere, Mr. A. A. Webster and Dr. J. K. Friesen.

Minutes of the Previous Meeting

Dr. Kania)
Dr. English) That the minutes of the first regular meeting of Senate for the Session 1964-65, held on September 8, 1964, having been circulated, be taken as read and adopted.

In amendment,

Mr. Todd)
Dr. Kania) That the reference to the revision of curriculum in the Faculty of Law, in Appendix I of the minutes of the meeting on September 8, 1964, be amended by striking out the words after "effective September, 1964". *

Carried.

The motion as amended was then Carried.

Appointment of Faculty Representatives on Senate

For information of Senate, the Secretary reported that the Faculty of Forestry had appointed Dr. J.H.G. Smith its representative on Senate while Dr. Wellwood was Acting-Dean of the Faculty, and the Faculty of Science had elected Dr. W. H. Mathews as its representative to complete the term of the late Dr. W. A. Bryce.

* see p. 3422

Personnel of Senate Committees for 1964-65

Lists of standing and *ad hoc* committees of Senate, with personnel revised for 1964-65, had been circulated.

Dean Matthews requested the retention of Mrs. H. F. Angus on the Committee on Recreation, Athletics and Physical Education. Dr. Taylor and Dr. Zbarsky pointed out that Mr. G. Parke-Taylor and Rabbi B. Goldenberg, former members of the Religious Council, had left Vancouver.

Dean Cowan)
Mr. Elder) That the personnel of Senate committees for 1964-65, with amendments in the two committees mentioned, be approved.
Carried.

Recommendations from the Senate Executive Committee

Granting of Certificates and Diplomas in Non-Degree Programmes

An *ad hoc* committee had for some months been studying University practice in the granting of certificates and diplomas in non-degree programmes. Its recommendations, in which the Committee of Academic Deans concurred, were submitted for Senate approval after being examined by the Senate Executive Committee.

1. That certificates and diplomas be issued by the University only for courses or programmes previously approved by Senate;

2. That the names of those to receive certificates or diplomas be submitted to Senate for approval;

3. That the names of those to whom certificates and diplomas are issued be kept on file in the Registrar's Office;

4. That certificates and diplomas be issued only for satisfactory completion of courses or programmes which are sufficiently substantial in length and content, and which are of such a nature as to enable instructors to estimate the progress and achievement of the students in them;

5. That Deans and Directors concerned submit for the information of Senate a list, with pertinent details, of courses or programmes which now lead to certificates or diplomas.

The Senate Executive Committee recommended also that Senate re-affirm its prerogative under the Universities Act to review, before implementation, all courses of instruction, whether formal or informal, given by members of Faculty under the auspices of the University. The President explained that the Executive Committee had learned that some Faculty members or Departments were offering courses unofficially and informally, without the approval of the University although they were ostensibly offered under the aegis of the University.

The President commented also that the Committee of Academic Deans had discussed the use of the terms "certificate" and "diploma". Since the two had been used interchangeably at this institution, the Committee had decided it would be impractical to attempt to differentiate between them.

Dean Leung inquired whether short refresher courses or courses in continuing education (of one-day or a weekend duration) offered by some of the professional Faculties would require approval of Senate. Dean Gage suggested that such "courses" might better be referred to as conferences.

If they were to be designated as "courses", then they should be brought to the attention of Senate which was responsible for the academic programme.

Dr. Kania)
Dr. Renney) That the proposals as recommended by the ad hoc committee on the granting of certificates and diplomas in non-degree programmes be approved, and that Senate re-affirm its prerogative under the Universities Act to review, before implementation, all courses of instruction, whether formal or informal, given by members of Faculty under the auspices of the University.

Carried.

Recommendations Concerning Faculty Membership

Under the Universities Act, the Senate was empowered "from time to time to determine which members of the teaching and administrative staffs shall be members of each Faculty". The Senate in December, 1963, had specified certain persons as members of each Faculty, to be supplemented by "such other persons as the Faculty shall appoint in conformity with rules determined by the Faculty and approved by the Senate".

The following recommendations, approved by the Senate Executive Committee, had now been received from the Faculty of Applied Science and the Faculty of Arts with respect to these additional members:

Applied Science

(a) Ten members of the Faculty of Science chosen annually by that Faculty;

(b) Three members of the Faculty of Arts chosen annually by that Faculty;

(c) Two members of the Faculty of Forestry chosen annually by that Faculty;

(d) Six members of the Department of Physics chosen annually by that Department;

(e) Professors, Associate Professors and Assistant Professors in the Department of Agricultural Engineering;

(f) The Head of the Computing Centre or his representative;

(g) All full-time Instructors and Lecturers engaged in teaching in Engineering departments and provided for in the budget of the Faculty of Applied Science;

(h) Such other persons, not exceeding fifteen in number, as may be appointed from time to time for a specified term by the Faculty on the nomination of the Dean.

Arts

(a) It is recommended that Full, Associate and Assistant Professors, and full-time Instructors (I and II) be given membership in the Faculty of Arts, if their salaries are charged to the Faculty budget or if they carry two-thirds of a full load of teaching within the Faculty.

(b) It is recommended that, in addition to those persons specified by Senate as ex officio members of Faculty, i.e., the President, the Dean of the Faculty, the Dean of Inter-Faculty and Student Affairs, the Dean of the Faculty of Graduate Studies, the Registrar and the Librarian, the following persons also be named as ex officio members:

The Director of University Extension
Assistant Librarians
Supervisors of Library Divisions.

(c) It is assumed that all members of Faculty are voting members, and that such cases as Visiting Lecturers may be individually considered at the beginning of each session.

(d) It is recommended that the Faculty of Arts seek to exchange at least one member with each of the other faculties, but that no attempt be made to secure complete uniformity of reciprocation, as relations between Arts and other faculties vary from close working arrangements (e.g., Education) to virtual lack of contact (e.g., Medicine).

(e) It is recommended that members of the Faculty reappointed to teach in the Faculty after the age of retirement retain their membership in the Faculty with full privileges.

With respect to individuals to be granted membership in the Faculty of Arts "if they carry two-thirds of a full load of teaching within the Faculty", Dean Naegele explained that members of the Department of Mathematics teaching courses specifically or primarily to students in the social sciences, would be considered to be carrying that part of their teaching load within the Faculty of Arts.

Dr. Zbarsky)
Dean Okulitch) That the proposals of the Faculties of Applied Science and Arts relating to Faculty membership be approved.
Carried.

Candidates for Degrees and Diplomas

Lists of candidates recommended by the various Faculties for degrees or diplomas, were circulated at the meeting, together with a summary indicating a total of 862 degrees compared to 731 awarded at the Autumn Congregation, 1963.

Dean Cowan)
Dean Curtis) That the lists of candidates for degrees and diplomas be approved as submitted by the various Faculties, subject to any necessary amendments

to be made by the Registrar in consultation with the Dean concerned and the Chairman of Senate, and that authorization be given for the granting of the appropriate degrees at the October Congregation.

Carried.

Prizes, Scholarships and Bursaries

Lists Nos. 5, 6, 7 and 8 of scholarships, fellowships, prizes and bursaries awarded for 1964-65, were circulated at the meeting. Postponement of the following awards for one year was recommended:

Marilyn Walach - The KVOS-TV Scholarship
Eric Arthur Astrom - The Vancouver Sun Scholarship for Carriers
Eric Arthur Astrom - The N. Leo Klein Memorial Scholarship.

Dean Gage)
Dr. Mann) That the report of the Committee on Prizes, Scholarships and Bursaries in the form of Lists Nos. 5, 6, 7 and 8 of awards for 1964-65 be accepted and approved, and that the postponements recommended be approved.

Carried.

Reports of the Director of Summer Session, 1964, and the Department of University Extension, 1963-64

The reports of the Director of Summer Session, 1964, and the Department of University Extension, 1963-64, had been circulated. Two minor corrections were mentioned: one 3-unit course in Creative Writing had been omitted from the Summer Session credit course offerings, and two Creative Writing workshops had been included under the Department of University Extension non-credit evening classes in English.

Dr. Birney)
Dr. Wellwood) That the report of the Director of the Summer Session, 1964, and the report of the Director of the Department of University Extension, 1963-64, be received for information, on the understanding that they may be returned to the agenda at a subsequent meeting if members wish to comment or have queries.

Carried.

Introduction of New Items to Senate Agenda

A query had been submitted to the Senate Executive Committee on the means by which members of Senate might introduce items to the agenda. The Executive Committee had agreed that this could be done in either of two ways: the individual wishing a subject discussed might write to the Secretary of Senate, or any member of Senate might raise an issue under "Other Business" at a Senate meeting. In the latter case, if the matter required lengthy consideration, it might have to be deferred to a subsequent meeting.

Proposed "Mid-Term Break"

For some years there had been requests by Faculty and students for a break in the Second Term, which tended to be uninterrupted by holidays, especially when Easter was late in the year. Several other Canadian universities had mid-term breaks, or free time before examinations.

Following a request from the Alma Mater Society, the Committee of Academic Deans agreed that a mid-term break might be introduced in 1965 as an experiment. The most

suitable period, late February, would not be convenient in 1965 for the Faculty of Education which had already arranged its practice teaching commitments. The Senate Executive Committee therefore recommended that a mid-term break, March 4, 5, 6, be approved in 1965 for those Faculties in which the recess would not adversely affect the academic programme. The mid-term break would require cancellation of lectures and laboratories in most Faculties, but would not mean a closing of the University.

Dean Okulitch)
Dr. Stewart) That the recommendation of the Committee of Academic Deans with respect to a mid-term break on a trial basis, March 4,5,6, 1965, be approved for those Faculties in which, in the opinion of the Dean, the recess would not adversely affect the academic programme.

Carried.

Report of the Academic Goals Committee

The report of the President's Committee on Academic Goals, "Guideposts to Innovation", was distributed at the meeting. The President commented briefly on the report, commencing with the recommendation of the Senate Executive Committee that a special meeting of Senate be held, preferably in late November (suggested date, Wednesday, November 25), to review and discuss the full submission of the Committee on Academic Goals. It was anticipated that further discussion on specific recommendations of the Committee would be held as occasion permitted over the next several months or years.

The Committee undertaking the report was composed of seven members, who received comments and criticism from time to time from a widely representative consultative committee. Despite the consultation which had already taken place, the report was still to be reviewed by the Faculty as a whole and by the various governing bodies of the University. The Committee was also fully aware that it had been able to include only some of the issues which deserved consideration.

The report was concerned primarily with the quality of the programmes of teaching and research at the University of British Columbia. The President outlined briefly the contents of each chapter. He felt one recommendation of the report which deserved early consideration was the establishment of a standing committee of Senate on Academic Affairs.

The President believed it was most important that the report should be read by every member of Senate, of the Board of Governors, and of the Faculty. It would also be desirable that it be read widely throughout the Province. As recommended by the Senate Executive Committee, he thought the report should be discussed in general terms by Senate, and by each Faculty of the University. Over a period of time, the report should then be studied in orderly fashion, with its various issues and proposals being considered by the appropriate group or groups within the University.

The President expressed his personal appreciation to the members of the Committee for tackling their task diligently, thoughtfully and constructively. He expressed also the very sincere thanks of the University to Mr. Eric Nicol who had edited and co-ordinated the report.

The President believed one important accomplishment was that the University had begun an attempt to study what it had done and to face the issues involved in improving the quality of its performance.

Dr. Norris)
Dean Cowan) That a special meeting of Senate be held on Wednesday evening, November 25, 1964, for a general discussion of the report and recommendations of the Committee on Academic Goals.
Carried.

Recommendations from the Faculties

Applied Science

When Dr. Okulitch was appointed Dean of Science, he relinquished the Headship of the Department of Geology in the Faculty of Science, and the Department of Mining and Geological Engineering in the Faculty of Applied Science. The President had appointed a committee to recommend a successor in the Headship, and to advise on the future organization of these two disciplines.

Dean Myers, Chairman of the advisory committee, stated that one problem had been the situation of Mining. Until 1961, Mining at this University had been associated with Metallurgy, but in the past ten or fifteen years,

Mining had attracted very few students. When Metallurgy was established as a separate Department, Mining was joined with Geological Engineering in a new Department. However, the desired stimulus to graduate research was not realized.

With the need to appoint a Department Head, the committee had re-examined the status of education in Mining. A senior appointment to the Department of Mining and Geological Engineering had been made earlier in the year (to take effect in 1965). This appointee, a distinguished mining engineer, had proved that Mining was an academically worthy subject. The committee therefore recommended that Mining become a separate Department of Mineral Engineering in the Faculty of Applied Science.

The committee recommended, with respect to Geological Engineering, that teaching and research in Geology, whether to students in the Faculty of Science or in the Faculty of Applied Science, should be a function of the Department of Geology which should remain a component of the Faculty of Science; and that the Faculty of Applied Science should appoint a board of studies in Geological Engineering which would have the responsibility of making recommendations to the Faculty relating to degrees and courses of study in Geological Engineering. The full report of the committee had been circulated to Senate.

The committee proposals had been referred to the Faculty of Applied Science, but Dean Myers stated that the brief interval of time between the completion of the

committee report and the meeting of Senate had not permitted the members of his Faculty to give thorough consideration to the recommendations. There had been no criticism of the proposal by the Faculty members attending the meeting, but if Senate felt it advisable, it might refer the recommendation back to the Faculty of Applied Science for consideration at a full meeting of Faculty.

Dean Okulitch commented that the situation with respect to Geological Engineering would be much the same as it had been for most of its history at this University, since for many years the Deans of Applied Science had been geologists and had performed the functions of the proposed Board of Studies.

Dr. Belshaw inquired about financial implications resulting from the proposed change in organization. Dean Myers stated that there were none in the proposal in itself. If the Department of Mineral Engineering proved successful, it would increase in size as would any other department.

Dean Myers)
Dean Okulitch) That the recommendations of the committee and of the Faculty of Applied Science with respect to the organization of Geology and of Mining and Geological Engineering be approved; and that the present Department of Mining and Geological Engineering in the Faculty of Applied Science be replaced by a Department of Mineral Engineering in the same Faculty, subject to the approval of the Board of Governors.

Carried.

Pharmacy

The Faculty of Pharmacy recommended:

1. That the First Aid course, now mandatory in the B.S.P. degree programme, be made optional.

2. That for the Session 1964-65, Physics 103 be accepted in lieu of Physics 101 for pre-Pharmacy and Pharmacy students.

Dean Matthews)
Mr. Morrison) That these recommendations of the Faculty of Pharmacy be approved.
Carried.

Science

The following recommendations were presented from the Faculty of Science:

1. That Mathematics 120 be a prerequisite course for all "200" courses in Mathematics listed in the Faculty of Science Calendar, with the possible exception of Mathematics 201, 203, 205, 207, and 208; that those students who have completed Grade XIII Mathematics 101 (revised) should not normally be eligible to register in Mathematics 200, 202, 220, 221, but exceptions may be made with the consent of the Department.

2. That in view of the changes taking place in the British Columbia secondary school curriculum with respect to Mathematics, Physics and Chemistry, it is recommended that the Senate take immediate steps to establish revised requirements for admission to the University from the British Columbia secondary school system, to become effective in 1967.

Dean Okulitch explained that these proposals arose from the fact that Mathematics was now being taught to a higher level in the secondary schools.

Dr. Murdoch added that the revision in the secondary school curriculum had started two years ago with

students then in Grade VIII. These students would be reaching the University in 1967. They would then have taken as much Mathematics as was included in the University Mathematics 120 two or three years ago, and might have as much mathematical foundation as was required for work in other sciences.

The reason for the request from the Faculty of Science was to permit revision of the University Calendar, since Grade XIII now offers Mathematics 120 to all students who wish to continue their studies in mathematics and science. Mathematics 101, in a revised form, is offered in Grade XIII for students who do not wish to continue with further mathematics. The Calendar at present lists Mathematics 101 as prerequisite to Mathematics 200, 202, etc., and this is no longer true.

Since Mathematics was also a subject of the Faculty of Arts, and since that Faculty had not had the opportunity to study the recommendations, it was agreed that consideration by Senate of these proposals should be deferred to the next meeting.

The President commented that Senate had already agreed to a further review of admissions policy. In addition, Dr. English had offered to give Senate at its next meeting a resume of the principal changes in the secondary school curriculum which would be affecting the qualifications of students applying for admission to the University. This would be on the agenda for the meeting in December.

Report of the Committee to Propose Guide Lines for Use of Faculties and Senate in Considering Recommendations for the Establishment of New Departments

Dean Naegele stated that his committee wished to include in its study of guide lines for the establishment of new Departments, a number of inter-departmental programmes and problems. He hoped that the committee could report at the next regular meeting of Senate.

Committee on Memorial Minutes

The following tributes prepared by the Committee on Memorial Minutes were read:

WILLIAM BRENTON BURNETT

Not many members of Senate will have personal memories of Dr. William Brenton Burnett, whose term as a member of Senate extended from 1921 to 1933. Yet his death at the age of 94, on May 20, 1964, must bring to all of us a vivid sense of historical realities in the life of the university and the province of British Columbia. His career reflected and influenced the stages of growth in city and province, from a period that had barely emerged from the days of the pioneer, to the present complexity of professional, industrial and educational progress.

Born in Sussex, New Brunswick, in 1870, William Burnett came to Vancouver in 1891, following graduation from Acadia University. An early Canadian pattern of energy and diversity is seen in the variety of his work: unloading cargoes from the Empress of India, the first C.P.R. Empress ship; making boxes in a sawmill; selling insurance; teaching and becoming principal at the old Central School facing the present Victory Square. Determined to be a physician, he returned to the East to take his degrees of M.D. and C.M. at McGill, and began practice as a doctor in Vancouver in 1900.

From that time Dr. Burnett's life paralleled the development of his adopted province. He was appointed to the surgical staff of the Vancouver General Hospital in 1905, and was chief gynaecologist from 1913 to 1938. He took post-graduate studies at London and Vienna in 1913. During his medical career he achieved recognition in his field as honorary life member of seven professional organizations in Canada and the United States.

His second interest was in mining. Ignoring advice that the Barkerville area had no further value, he fostered and for thirty-five years headed the prosperous Cariboo Gold Quartz Mines. Other mining ventures were Surf Inlet, Pioneer, and Bralorne. His prominence in the development of one of British Columbia's major natural resources is reflected in his being the President of the B. C. Chamber of Mines from 1935 to 1941, and a member of the executive of the Mining Association of British Columbia for twenty-five years.

Dr. Burnett's continuing interest in higher education is evident not only in his service on the Senate, but also in his early experience as instructor in Chemistry at the Royal Institution for the Advancement of Learning, a forerunner of the University of British Columbia, and as lecturer in the School of Nursing. The breadth of his interests and of his services to the community at large is suggested by his many offices and honours, including those of President of the Kiwanis Club, honorary life member of the Vancouver Board of Trade, and President and charter member of the Canadian Club.

The close of such a life brings no note of sadness, but rather an admiring awareness of what one man in his lifetime may accomplish in so many ways, while meeting the exacting demands of his profession. That for twelve years Dr. Burnett should also have contributed to the deliberations of Senate is a reminder to us of how inseparably the growth of this university is bound up with the growth of British Columbia as a whole. In recording its gratitude for his services, Senate feels honoured in paying tribute to the memory of a man of such fruitful and many-sided achievement.

Dr. Robbins)
Dean Curtis) That this memorial be spread on the minutes of Senate and a copy sent to the members of the family.
Carried.

H. T. J. COLEMAN

Herbert T. J. Coleman died June 9, 1964, at the age of 92. Dr. Coleman, after taking his first degree at Toronto, won his Ph.D. at Columbia and began his teaching career in the high schools of Spokane. He moved to Colorado State University as Professor of Education and returned to Canada to serve with the same title at the University of Toronto. From here he was called to Queen's University as Dean of the Faculty of Education.

In 1920, Dr. Coleman travelled west to assume dual responsibilities as the second Dean of the Faculty of Arts and Science and Head of the Department of Philosophy and Psychology at the University of British Columbia. For eight years Dean Coleman administered the affairs of the Faculty and occupied the accompanying seat on Senate. The principal champion of a liberal policy for teachers attending the young Summer Session of the early 1920's, Dean Coleman became the provisional Director of the post-graduate course in Teacher Training that was established in the regular session for the first time in 1923.

Dean Coleman was by nature a gentle philosopher and he resigned his decanal office in 1928. Now he devoted himself to his teaching, to his own field of study, and to the writing of poetry. By 1940, when he retired, he had become, to borrow from the author of Tuum Est, the ungarlanded poet-laureate of the University. In 1945 he was given the title Professor Emeritus.

Dr. Coleman retired to Deep Cove, a charming and rustic bay just outside Victoria. Here he wrote poetry for children, fished, and dispensed a casual hospitality to his friends. Those who visited him will not soon forget the mild patriarch, surrounded by his kin of all ages and presiding over abundant high teas. Nor did he forget the University of British Columbia, which he served actively and conscientiously for twenty years and whose fortunes he followed closely for nearly a quarter of a century in retirement.

Dr. McGregor)
Dean Eagles) That this memorial be spread on the minutes of Senate and a copy sent to the family.
Carried.

Correspondence

Dr. A. D. Scott

Dr. A. D. Scott, who was now on leave of absence, requested by letter that the programme of education in the health sciences, as outlined by Deans McCreary, Leung and Matthews at the previous meeting, should be discussed by Senate at its next meeting. Dr. Scott referred particularly to the academic relationship between the Health Sciences Centre and the rest of the University.

The President, in reminding Senate that discussion had been impractical at the last meeting in view of the late hour, asked for an expression of opinion on Dr. Scott's request.

Dr. Norris)
Dr. Belshaw) That discussion of the programme of education in the health sciences at this University be placed on the agenda for the regular meeting of Senate in December.
Carried.

Letters of Appreciation

Letters of appreciation had been received from Mrs. Sherwood Lett and Mrs. W. A. Bryce for memorial tributes spread on the minutes of Senate at its previous meeting.

The meeting adjourned at 9:45 p.m.

Secretary.

Chairman.