The fifth regular meeting of the Senate of the University of British Columbia for the Session 1963-64 was held on Wednesday, May 20, 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. F. K. Bowers, Mr. J. F. Brown, Mr. W. T. Brown, Mr. F. L. Burnham, Mr. K. P. Caple, Mr. A.W.R. Carrothers, Dr. I. McT. Cowan, Dean G. F. Curtis, Dean B. A. Eagles, Mr. H. Elder, Dr. S. M. Friedman, Dean W. H. Gage, Dr. W. C. Gibson, Mr. W. E. Ireland, Dr. S. M. Jamieson, Dr. F. H. Johnson, Dr. J.E.A. Kania, Mr. J. S. Keate, Dr. H. L. Keenleyside, Dean S. W. Leung, Mr. S. L. Lipson, Dean Helen McCrae, Dean J. F. McCreary, Dr. M. F. McGregor, Mrs. H. J. MacKay, Dr. K. C. Mann, Mr. D. F. Miller, Mr. F. A. Morrison, Dr. D. C. Murdoch, Dean D. M. Myers, Dr. K. D. Naegele, Rev. W. Nicholls, Mr. E. P. Nicol, Acting-Dean V. J. Okulitch, Dr. M. A. Ormsby, Mr. H. N. Parrott, Dean G. N. Perry, Dr. A. J. Renney, Dr. W. Robbins, Dr. B. Savery, Dean N. V. Scarfe, Dr. R. F. Sharp, The Honourable James Sinclair, Dean F. H. Soward, Dr. T.M.C. Taylor, Mr. E.C.E. Todd, Dr. F. Turnbull, The Honourable Mr. Justice D. R. Verchere, Mr. F. E. Walden, Dr. H. V. Warren, Dr. R. W. Wellwood, Mr. P. H. White, Dean T. G. Wright, Dr. S. H. Zbarsky and Dr. J. K. Friesen.

Messages of regret for their inability to be present were received from Dr. A. E. Birney, Rev. J. Blewett, Dr. J. D. Chapman, Dr. J.F.K. English, Dr. J. A. Jacobs, The Honourable Mr. Justice N. T. Nemetz, Mr. B. Stuart-Stubbs and Mr. A. A. Webster.

Minutes of the Previous Meeting

Dean Gage )
Dean Soward) That the minutes of the fourth regular meeting of Senate for the Session 1963-64, held on February 12, 1964, having been circulated, be taken as read and adopted.
Carried.

Departmental Status for Ophthalmology

Since Dean McCreary would not be able to be present for the full meeting, the President asked that Senate give consideration at this point to a recommendation from the Faculty of Medicine that Ophthalmology, which was now a part of the Department of Surgery, should be granted departmental status within the Faculty of Medicine.

The Dean stated that work in Ophthalmology had progressed very rapidly since Dr. Elliot came to the University in 1961, and this division of the Faculty was on its way to becoming the outstanding department of Ophthalmology in Canada in both undergraduate and graduate training. There were no budgetary implications, since substantial research grants were received from the Federal Government.

Dean McCreary)
Dr. Gibson ) That Senate approve, and recommend to the Board of Governors, the granting of departmental status to Ophthalmology within the Faculty of Medicine.

Carried.

Members of Senate Elected by the Joint Faculties

The Registrar reported, for information of Senate, that Dr. Argue had replaced Dr. Naegele as a member of Senate elected by the Joint Faculties, since Dr. Naegele as Dean of the Faculty of Arts was *ex officio* a member of Senate. A supplementary election, held to break the tie in the 1963 election, had given the following sequence for the next three replacements:

Dr. J. G. Foulks
Dr. Ross Stewart
Dr. G. W. Marquis.

Dr. Foulks, accordingly, would replace Mr. Carrothers on Senate in view of the latter's resignation as of June 30, 1964.

Re-appointments to Senate by the Lieutenant-Governor in Council

Notification was received that the Lieutenant-Governor in Council had re-appointed Mr. W. T. Brown, Major H. C. Holmes and Dr. R. F. Sharp to Senate for three-year terms commencing March 1, 1964.

Representative on Senate of the Faculty of Commerce and Business Administration

Senate on December 18, 1963, had authorized its Chairman to replace, for the period of their leave of absence, members of Faculty who were elected to Senate by individual Faculties or by the Joint Faculties, if they were granted leave of absence from the University for four months or longer.

Mr. Ralph Loffmark, representative of the Faculty of Commerce and Business Administration, had been granted leave of absence for the term of the current Provincial Legislature, since he had been appointed Minister of Industrial Development, Trade and Commerce. On the recommendation of the Faculty of Commerce and Business Administration, the Chairman of Senate had appointed Mr. Philip White a member of Senate for the period of Mr. Loffmark's leave of absence or to the end of his term on Senate (to August, 1966).

Senate Executive Committee

The Chairman reported, for information of Senate, that he had appointed Dean Leung to the Senate Executive Committee as replacement for Dean Chant.

Moratorium on the Introduction of New Courses, Expansion of Programmes, etc.

As the President had anticipated at the last meeting of Senate, the Board of Governors had recommended

that the present moratorium on new courses, and expansion of course offerings and programmes, imposed for financial reasons, be lifted.

Mr. Caple)
Dr. Kania) That the moratorium imposed on new courses, and expansion of course offerings and programmes, be removed.
Carried.

New Courses and other Curricular Changes for 1964-65

The Senate in December, 1963, had approved in principle new courses and changes in curriculum for 1964-65 as recommended by the Faculties, subject to funds becoming available and subject to a lifting of the moratorium. For purposes of record, these are listed in an appendix to these minutes.

Quote (see pages 3385 - 3390)

Recommendations from the Senate Executive Committee

Department of Economics and Political Science

The Senate Executive Committee had approved, and recommended to Senate, a recommendation of the Faculty of Arts that the division of the Department of Economics and Political Science be approved in principle, to become effective at such time as a Head is appointed for the Department of Political Science. This proposal had been submitted to Senate in December, 1963, and had at that time been referred back to the Faculty of Arts "for further

information on any changes contemplated in programme, and costs (both short-term and long-term) of establishing the new Departments."

Dean Naegele stated that the separation was justified on academic grounds, since Political Science was a distinct field of study. At present ten Faculty members in the Department of Economics and Political Science were working together in Political Science.

The cost of establishing separate Departments would not be much greater than the cost of continuing in a combined Department. A Department of Political Science would require a Head and a secretary. However, no significant growth of Political Science was envisaged.

Dr. Friedman suggested that it would be helpful to Senate if a general University policy for the establishment of new Departments were formulated.

Dr. Kania suggested that, since the establishment of a new Department involved "fixed" charges such as a separate office, secretarial staff, etc., one criterion in establishing a Department should be the number of students taking courses in the particular field, and the number of Faculty members.

Dean McCreary stated that the Faculty of Medicine, which had discussed departmental status at length, had approved three criteria: nature of undergraduate teaching, nature of postgraduate teaching, and development of research. In the case of Ophthalmology, the postgraduate teaching was

unique in character, and research was developing faster than in any other field of Surgery.

Dr. Gibson recommended that each situation should be considered on its merits, without regard to rigid rules and regulations. The cost from an academic standpoint of not separating a combined Department in certain instances should be borne in mind.

The Chairman then summarized the major points to which Senate members had referred:

1. Undergraduate teaching, including numbers of students and scope of field;
2. Unique character of graduate programme;
3. Unique character of research;
4. Practical consideration of finances;
5. Total scope of the operation, including consideration of interest as indicated by enrolment;
6. Need of independence to cultivate and strengthen an academically important section of an existing Department.

While Senate was making its decision on the principle of establishing new Departments, the Chairman felt a decision should be made now on the specific recommendation from the Senate Executive Committee.

Dean Naegele)
Dr. Friedman) That Senate approve in principle, and recommend to the Board of Governors, a division of the Department of Economics and Political Science into separate Departments, the separation to become effective at such time as a Head is appointed for the Department of Political Science.

Carried.

Mr. Bowers)
Mr. Todd ) That the Chairman of Senate appoint a committee to draw up for approval of Senate guide lines to be used by the Faculties and by the Senate Executive Committee in considering recommendations for the establishment of new Departments.

Carried.

Revised Schedule for Presentation of New Courses and Changes in Courses

In an attempt to consolidate the presentation to Senate and the Board of Governors of recommendations for the establishment of new courses and new programmes of study, the Senate in February, 1963, had agreed that courses approved by the Faculties from the academic standpoint should be presented for Senate approval at the May meeting only. Following consideration by the Deans and the Board of Governors of the cost of implementing such recommendations, courses for which financial provision had been made would be included in the Calendar material submitted to Senate in December for the following year.

In order to reduce the time required for approval and introduction of courses which did not involve additional funds, the Senate Executive Committee recommended the following modification of the above procedure:

1. That minutes of Faculty meetings in which new course offerings are approved by the Faculty for recommendation to Senate and the Board of Governors, be sent promptly by the Dean concerned to the President, with an accompanying letter explaining the financial impact (either current, or capital, including accommodation),

if any, on the budget in the present year and in subsequent years.

2. That course changes which appear likely to involve a budget request for additional funds be clearly annotated - e.g., by an asterisk - on the submission going to the Senate.

3. That Senate at its December meeting be asked to consider course changes approved by the Faculties from the academic standpoint, and not involving a budget request for additional funds (either current or capital), in order that these changes may be included in the Calendar for the next academic year if they are approved by the Board of Governors.

The President stated that when course changes and substitutions of courses had no financial implications, the responsibility for making this clear to the President and the Board of Governors lay with the Dean of the Faculty.

Dean Myers pointed out that recommendations for changes in courses and curricula were sometimes a consequence of other changes, and could not always be submitted simultaneously for approval. He felt that when there were no financial implications, the Faculties should be permitted to present recommendations to Senate at any meeting.

Dean Myers )
Dean Okulitch) That the first two recommendations of the Senate Executive Committee with respect to recommendations for course changes and new course offerings be approved, and that the third recommendation be approved in the following amended form:

"3. That course changes approved by the Faculties from the academic standpoint, and not involving a budget request for additional funds (either current or capital), be eligible for consideration by Senate at any regular meeting."

Carried.

Establishment of Religious Studies as a Department

The Senate Executive Committee had approved, and recommended to Senate, a recommendation of the Faculty of Arts that Religious Studies be established as a Department. An outline prepared by Rev. W. Nicholls in December, 1962, on proposed development of Religious Studies (at the time when Senate was asked to approve a major in Religious Studies) had again been circulated to Senate.

Dean Naegele stated that, with the approval of Senate, an active programme for the systematic study of religion had been developed in the Faculty of Arts, in a manner consonant with the non-sectarian character of the University. The programme was, in effect, functioning as an independent department, relatively self-sufficient and answerable to the Dean. He did not foresee any marked growth, and therefore no appreciable increase in cost beyond the present budgetary provision.

In answering a query on number of instructors and students, Mr. Nicholls concurred in the view expressed by Dean Naegele that Religious Studies would never be a large operation in terms of scholars or registration.

Dean Naegele)
Dr. Cowan ) That Senate approve, and recommend to the Board of Governors, the establishment of Religious Studies as a Department within the Faculty of Arts.

Carried.

Proposals from the Faculty of Graduate Studies

The Senate Executive Committee had recommended approval of the following proposals of the Faculty of Graduate Studies:

1. The acceptance in principle of the offering of the Ph.D. degree in Commerce;

2. The acceptance of the programme proposed by the Department of German for the offering of a Ph.D. degree in German.

Outlines of both proposals had been circulated to members of Senate.

Dean Soward)
Dean Gage ) That Senate approve in principle the offering of the Ph.D. degree in Commerce.

Dr. Friedman, while he was quite prepared to commend the action of the Faculty of Commerce and Business Administration, and its Dean, in proposing to expand its graduate offerings, expressed the opinion that it was not logical to approve a programme "in principle" without knowing details. He felt Senate should not be asked to consider this proposal until a firm programme could be presented.

Dean Perry stated that his Faculty had accepted the requirements of the Faculty of Graduate Studies in making a submission to that Faculty with respect to a proposed doctoral programme. The Faculty of Graduate Studies had given "approval in principle" to the proposal, pending the development of a detailed programme in consultation with departments in related fields.

He believed his Faculty would be sufficiently large and diversified to initiate a doctoral programme by 1965, probably restricting its offerings to two fields at that time, and expanding until by 1970 doctoral work was offered in most of the major fields.

About twelve to fifteen Commerce graduates each year continued to graduate study in the United States of America since the training they sought was not available in Canada. At present the only Canadian university offering training in Commerce at the doctoral level was Western Ontario.

Dean Soward, referring to Dr. Friedman's objections, stated that approval in principle provided an opportunity for the Faculty of Commerce and Business Administration to discuss details of the programme with Economics, Sociology and other fields of study with similar interests in research.

Dr. Friedman)
Mr. Bowers ) That consideration of the proposed Ph.D. degree in Commerce be tabled.
Defeated.
(For: 15; Against: 25).

Mr. Walden inquired what background would be expected of the prospective doctoral candidates: he felt a candidate proceeding from the B.Com. to the M.B.A. to the Ph.D. without intervening practical experience would be qualified only for teaching.

Dean Perry replied that he and his colleagues felt there was not sufficient emphasis in Canada at the present time on the rigorous theoretical side of Commerce. In

addition, the expansion of use of computers, and development by sister disciplines of new techniques of analysis, would increase the need for training at the doctoral level. He agreed that the primary role for holders of the Ph.D. in this field would be teaching and research.

Several members of Senate again expressed the opinion that the motion should be withdrawn, and that Senate should merely note that the Faculty of Commerce and Business Administration was in process of preparing, in consultation with related fields, a doctoral programme for submission to the Faculty of Graduate Studies and, in due course, to Senate. Formal record of this proposal would permit the Dean to include financial planning in his budget estimates for 1965-66.

The President stated that the motion "That Senate approve in principle the offering of the Ph.D. degree in Commerce" merely affirmed that there was nothing about the offering of such a degree to which Senate took exception. No decision about the programme as such was required until the actual programme was presented through the Faculty of Graduate Studies.

The motion was then <u>carried</u>. (For: 43; Against: 11).

Dean Soward)
Dr. Mann ) That Senate approve the offering of a Ph.D. degree in German, to be introduced in the Session 1965-66, on the basis of the programme proposed by the Department of German and approved by the Faculty of Graduate Studies.

<u>Carried</u>.

Recommendations of the Faculties

The Senate Executive Committee had considered a number of proposals from the Faculties for introduction of new courses, withdrawals of existing courses, and changes in courses and curricula. The Committee recommended approval, effective 1964-65, of the changes in courses and curricula, and recommendation to the Board of Governors that the new courses be approved for the Session 1965-66.

The Faculty of Arts had recommended approval of a programme leading to the degree of Master of Library Science, without specifying whether this degree should be offered under the Faculty of Arts or the Faculty of Graduate Studies. The Senate Executive Committee recommended to Senate that consideration of the offering of this degree be deferred until the new Dean of the Faculty of Graduate Studies had been appointed.

Acting-Dean Okulitch )
Dean Scarfe) That the changes in courses and curricula proposed by the Faculties be approved, effective 1964-65; that the new courses recommended be approved, subject to approval of the Board of Governors, effective 1965-66; and that consideration of the offering of the degree of Master of Library Science be deferred until the new Dean of the Faculty of Graduate Studies has been appointed.

The Deans of the Faculties concerned pointed out that the following new courses could be offered in 1964-65 without additional cost:

Fine Arts 428 - to be given by a Faculty member returning from leave of absence
Philosophy 430 - honours tutorial
Political Science 310 - which could not be presented for approval earlier since it required consultation between two Departments
Education 356 - part of the Industrial Arts programme, cost of which was borne by the Department of Education
Zoology 306 - to replace one section of Zoology 401.

Dean Naegele)
Dr. Savery ) That the motion be amended to permit the offering of the five courses mentioned in 1964-65.
Carried.

The amended motion was then Carried. The new courses, and changes in courses and curricula, are listed in Appendix II.

Quote (see pages 3391 - 3395)

Prizes, Scholarships and Bursaries

List No. 1 of awards for the Session 1964-65, mainly to students in the graduating classes, was circulated at the meeting. Dean Gage commented that the head of the graduating class in Arts for the degree of B.A., Patricia Mary Ellis, was a grand-daughter of Dean Daniel Buchanan.

Dean Gage)
Dr. Cowan) That medals, prizes, scholarships and fellowships be awarded as recommended on List No. 1.
Carried.

The Senate Executive Committee recommended that the following new awards and changes in awards be approved, and that appropriate letters of appreciation be sent to the donors:

Quote (Appendix III) (see pages 3395 - 3401)

Dean Gage )
Mr. J. F. Brown) That new awards and changes in awards be accepted as recommended, subject to the approval of the Board of Governors, and that appropriate letters of appreciation be sent to the donors.
Carried.

Supplementary Submissions from Faculties and Schools

A list of submissions from Faculties and Schools with respect to regulations, curricula and courses, approved by the Faculties subsequent to the meeting of the Senate Executive Committee, was circulated to Senate. Of immediate concern was a recommendation from the Faculty of Arts:

> "That students who have a failure in one course which is the last one required for their degree may, where the mark obtained in that one subject is 45% or better and where the student's average on his Third and Fourth Years is 60% or better, be given credit for the course and be recommended to Senate for the awarding of the degree.
>
> "(The actual mark obtained would remain on the student's record card and would be indicated as an 'adjudicated pass'.)"

Dean Naegele commented that in the past, the Dean at his discretion had raised individual marks in the case of students who had a good overall record except in one subject of the final year. Dean Gage, who had chaired a committee considering student records in 1963-64, stated there were nine students of some 300 graduating in Arts to whom this new recommendation might apply. The committee believed it was better for the student to realize that he was being granted his degree on the basis of four years'

work despite weakness in one subject. Students who wished to do so might write a supplemental examination in the course in question in order to obtain higher standing in that subject, but their standing at graduation would not be changed.

Dean Naegele)
Dean Gage ) That an "adjudicated pass" be instituted in the Faculty of Arts on the basis indicated in the recommendation from the Faculty.
Carried.

Dr. Kania)
Mr. Todd ) That the remaining supplementary submissions from Faculties and Schools, if affecting programmes and courses for 1964-65, be approved subject to approval of the Senate Executive Committee; if not affecting programmes and courses for 1964-65, be deferred to the next regular meeting of Senate.
Carried.

Any recommendations approved by the Senate Executive Committee under this authorization would be incorporated in the minutes of the next regular meeting of Senate.

Candidates for Degrees, May, 1964

Lists of candidates for degrees to be awarded at Spring Congregations, 1964, were circulated at the meeting, along with a summary of the numbers obtaining First Class, Second Class, and Pass standing for each degree. The total number of graduands for 1964 was 1893, compared to 1597 in 1963. Dean Soward commented on the gratifying increase in the number of students qualifying for the Ph.D.

Dean Curtis)
Dean Soward) That the candidates for degrees as approved by the Faculties be granted the degrees for which they are recommended, subject to any necessary adjustments in the lists to be made by the Registrar in consultation with the Dean concerned and the Chairman of Senate.

Carried.

Committee on Honorary Degrees

Dean Soward reported that Mr. McGeorge Bundy would be unable to be present at a Congregation ceremony in 1964. Dr. Rocke Robertson had asked if his honorary degree might be conferred in October since he would be officiating at the McGill University Convocation on May 29th.

The Committee on Honorary Degrees recommended that a second award be made at the October Congregation, its recipient to be one of the following, in order of priority:

Professor Hugh Trevor-Roper, Regius Professor of Modern History at Oxford University - LL.D.

Professor John Kenneth Galbraith, Paul M. Warburg Professor of Economics at Harvard University - LL.D.

Mr. Gerard Piel, Editor and Publisher of the Scientific American - D.Sc.

Dean Soward)
Dean Scarfe) That the honorary degree indicated be conferred on one of the candidates recommended, at the October Congregation, 1964, the individuals to be approached in the order given to ascertain whether they could be present to receive the degree.

Carried.

Dr. Turnbull inquired on what basis the degrees to be awarded at each Congregation in the Spring were

determined. He felt it would have been more appropriate for Dr. Arthur Dill Kelly, General Secretary of the Canadian Medical Association, to receive his honorary degree on the same day as the graduands in Medicine, or to have his degree deferred to October along with that for Dr. Rocke Robertson. Dean Soward stated that Dr. Kelly had expressed a preference for May 28th, since he was to receive an honorary degree from the University of Western Ontario on May 30th.

Committee on Memorial Minutes

Dr. Robbins as Chairman of the Committee on Memorial Minutes read the following tribute to Dr. M. M. MacIntyre:

MALCOLM MURRAY MacINTYRE

The death occurred on April 8, 1964, of Malcolm Murray MacIntyre, Professor of Law at the University of British Columbia since 1948. He was a member of the Senate from 1951 to 1957, and for the period from September, 1962 to June, 1963.

Born in Sussex, New Brunswick, in 1904, Dr. MacIntyre took his B.A. degree at Mount Allison University in 1925, and his LL.B. degree at Harvard in 1928. He continued at the Harvard Law School as holder of a Faculty Scholarship, taking his Master of Laws degree in 1930. Appointed Assistant Professor of Law at the University of Alberta, he returned, after his promotion to Associate Professor, to the Harvard Law School as Fairchild Research Fellow, and took the degree of Doctor of Juridical Science in 1940. He was full Professor, and later Dean of Law, at Alberta until 1945, practised law in Sackville until 1948, and joined the staff of the University of British Columbia in that year. He was a member of the New Brunswick Bar from 1944, and of the British Columbia Bar from 1960.

Dr. MacIntyre's contribution to scholarship in his field was notable. He was the founder, and for ten years the Faculty Editor, of the Alberta Law Quarterly, and created a new department in the pages of The Advocate, the journal of the Vancouver Bar Association. Over the span of his active career, he wrote ten articles, seven critiques of cases, and twenty book reviews, for the Alberta Law Quarterly, the Canadian Bar Review, and the University of Toronto Law Journal. Though his special interest in the Law of Torts is evident in a number of titles, the bent of his mind, described by a colleague as "authoritative and scholarly but never narrowly legalistic", is suggested in such a title as "The Rationale of Separate National Sovereignty". That this breadth did not sacrifice depth is indicated by his appointment as Chairman to the Canadian Bar Association's Committee on Noteworthy Changes in Statute of Law of Canada.

The warm tributes to Professor MacIntyre as a teacher and as a man suggest further that to the terms scholar and humanist we may add the term humanitarian. Known to us all as "Mac", he was a most genial colleague on committees, and to his students a kindly man as well as an inspiring teacher. He gave of his best, and he expected their best; he was liberal of his time, and generous in allowing another chance. Yet the supreme tribute we must pay is to that stoical courage that carried him through these last years of wasting and painful illness, working and lecturing until his collapse a few days before his death at the end of the term just past. Such fortitude shows an element of greatness in mind and character. That quality in Professor MacIntyre his fellow members of the Senate, sharing with his colleagues and students their sense of loss of the man and the teacher, are proud to recognize and to honour.

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

Carried.

The President referred to the recent tragic death of Dr. W. A. Bryce, representative on Senate of the Faculty of Science. A memorial minute would be prepared for the next regular meeting of Senate.

Committee on Professors Emeriti

Acting-Dean Okulitch presented the recommendations of the Committee on Professors Emeriti for the granting of emeritus status as follows, effective July 1, 1964:

Dr. S.N.F. Chant - Dean Emeritus of Arts and Science
Dean F. H. Soward - Dean Emeritus of Graduate Studies
Mr. J. F. Muir - Professor Emeritus of Civil Engineering
Mr. Watson Thomson - Associate Professor Emeritus of English.

Acting-Dean Okulitch )
Dr. Renney ) That emeritus status be granted as recommended.

Carried.

Brief on Bilingualism and Biculturalism

A revised brief on bilingualism and biculturalism, incorporating many of the suggestions made by Senate at its previous meeting, had been circulated. The President stated that the Royal Commission on Bilingualism and Biculturalism had indicated that it would appreciate receiving any submission to be made by the University of British Columbia in July, 1964.

The ensuing discussion of the brief indicated that it was extremely unlikely that a report could be prepared in a form acceptable to the Senate as a whole and to

the University community. It was therefore moved:

Dean Gage )
Dr. Keenleyside) That the Committee to Prepare a Brief for the Royal Commission on Bilingualism and Biculturalism be thanked for the time and effort it has expended in preparing and revising a report; that the Committee be informed that Senate realizes the question is of such magnitude that there is no likelihood of agreement being reached on a document to be presented to the Commission on behalf of the University of British Columbia; that the Committee accordingly be discharged and that its individual members be at liberty to submit their brief to the Commission as individuals if they wish to do so.

Carried.

Retirement of Dean Soward as Dean of Graduate Studies

The Chairman asked Dr. Ormsby to read a tribute to Dean Soward, who would be retiring as Dean of Graduate Studies as of June 20, 1964, although he would continue to lecture after his retirement:

DEAN FREDERIC H. SOWARD

The Senate wishes to record its deep appreciation of the unique service performed at the University of British Columbia by Dean Frederic H. Soward.

For forty-two years Dean Soward has been attached to the History Department, and for ten of those forty-two years he acted as its Head. Concurrently he was Director of International Studies for eighteen years, Director of Asian Studies for five years, Associate Dean of the Faculty of Graduate Studies for five years and Dean of Graduate Studies for three years. All the while he maintained his reputation as a productive scholar.

When he joined the Department of History in 1922, Frederic Soward was only twenty-three years of age. His studies at the University of Toronto, the University of Edinburgh and Oxford University had been completed, and in addition, he had served for two years with the Canadian Army in England, France, Belgium and Germany. As an undergraduate his interest in History had been whetted by George Wrong at the University of Toronto; his experiences in the trenches and his participation in the Occupation Army's march into Germany turned what might have been an avocation into a vocation. As a Canadian student-veteran at two great British universities, he became enthusiastic about recognition of Canada's "autonomy". Thus his early scholarship bore the stamp of the Canadian nationalist of the 'twenties. His later scholarship was that of a Canadian nationalist who had turned internationalist as the political scene first in the European, and then in the non-European, world became more complex.

From his first days in the Fairview Shacks as an Instructor in History, the intellectual vigour of the History Department's "boy-wonder" was apparent. He was known to be a voracious reader, to have an encyclopaedic knowledge and a photographic memory, and to have interests so broad that they encompassed all the arts. In the "Old Arts" Building on the Point Grey campus, he had a reputation for not suffering fools gladly and for being completely objective in assessing worth and scrupulously honest in stating his evaluation. His students benefitted from the standard which he used as his measure; in the best graduate schools of the continent and of Europe they earned for the History Department an enviable record.

Throughout those early years when the University was struggling for its existence -- and how severe that struggle was is reflected in the fact that Professor Soward spent twenty-five years as a faculty member before his salary reached the figure of $5,000 -- he conceived it his duty to bring the University to the community. Making use of the public platform, he shared his knowledge of contemporary affairs with colleague and student, journalist and Rotarian, and on his frequent lecture tours into the Interior, with fruit-farmer and small-town business man.

On Saturday nights, preceding and long after the Second World War, beams of light pierced the forest darkness of West Point Grey as automobiles carried the citizens of Vancouver to the University to hear his famous annual survey of international affairs.

In the University and in the community, his contribution as teacher and scholar had made him a marked man. His scholarly reputation had, in fact, spread beyond these limits. His book Moulders of National Destinies, first published in 1938, went into three editions, and a further book, Twenty-five Troubled Years, appeared in 1943. In 1941, along with N. A. M. MacKenzie and others, he prepared the important volume on the Pre-War Years for the series Canada in World Affairs. His specialized knowledge was put to the service of the nation in 1943 when the Under-Secretary of State for External Affairs called him to Ottawa as special assistant. There he remained for three years, and subsequently he returned for three summers to complete a special task.

After his return to the University in 1946, Dean Soward produced a long list of articles, pamphlets and chapters for compendia relating to international affairs and foreign policy. In short order, his stature as historian was reflected in honours which were accorded to him: he was elected a Fellow of the Royal Society of Canada, president of the Canadian Historical Association and, some years later, president of the Pacific Coast Branch of the American Historical Association.

During those busy years, the Canadian Institute of International Affairs, like the United Nations Association of Canada, made use of his prestige and his services. Similarly, the National Defence College, like the Royal Military College and Air Force College, called upon him.

In the summer of 1955, he was asked to be Co-Director of the World University Service Seminar in Japan. Later that year he went to Germany to participate in a study tour as guest of the Federal Republic. During the summer of 1957, he was Guest Lecturer at Duke University Commonwealth Studies Centre, and some months later, he went to New York to be Rapporteur of

the Fourth Committee (Trusteeship) of the Eleventh Assembly of the United Nations. By 1959, his reputation had become established throughout the Commonwealth, and that year he was invited to be Visiting Professor of Commonwealth History at the Indian School of International Studies at New Delhi.

Under these circumstances, it was well that Dean Soward had long ago learned that by the device of split-second timing, more than one feat could be performed simultaneously. As his days became more crowded, the boundless energy with which he had been endowed and the habits of a lifetime stood him in good stead. The mounting burden of administrative minutiae which he faced as Department Head and as Dean, he handled with meticulous attention. He also bent his efforts to assembling the scholars who, with the exception of the three "old-timers", make up the History Department as it is today.

When, in August, 1962, Dean Soward presented his presidential paper to the Pacific Coast Branch of the American Historical Association, in session at Los Angeles, the American historians assembled there applauded him both for his extensive knowledge and for the evidence he presented of his respect for the most rigid standards of scholarship. It would probably be an exaggeration to say that it was for these same reasons that the Freshmen students in our now-mammoth Freshman history course, emulating the example of their predecessors in Freshmen history, tendered him an ovation last winter.

But undoubtedly these were the same reasons which led Carleton University to confer on him an LL.D. degree, <u>honoris causa</u>, in 1962.

It would be impossible to enumerate all the reasons why his own institution, at the conclusion of his forty-two years of teaching experience, would like to honour Dean Soward in similar fashion. If it were left to the members of the History Department to single out the main ones, they would probably choose the exceptional qualities which led him to hold a light rein on members of his own staff, the generous appreciation he expressed for success in teaching and in contribution to knowledge, the opportunities which he permitted for experimentation in curriculum, and by no means

least, his habit of relaxing tension at Department meetings by his bright quips.

Apart from all these, they would want recognition for a fine scholar, a gifted teacher and an able administrator. "A gude beginning deserves a gude end" states the old Scottish proverb, and any honour accorded to Dean Soward by this body will in itself add lustre to the Senate of this university.

Senate indicated its concurrence by enthusiastic applause, which was fittingly acknowledged by Dean Soward.

Objectives of the Faculty of Forestry

The Chairman had asked Dean Wright to address the Senate on the objectives of the Faculty of Forestry. However, he and Dean Wright suggested that, in view of the late hour, this presentation should be deferred to a later date, although Dean Wright's formal connection with the University would terminate on June 30th.

On behalf of Senate, the Chairman expressed good wishes to Dean Wright for his career in industry.

The meeting adjourned at 11:00 p.m.

Secretary.

Chairman.

Appendix I - New Courses and Changes in Courses and Curriculum for 1964-65, as approved December, 1963.
(see p, 3363)

FACULTY OF AGRICULTURE

Curriculum changes:

That English 100 be the only English course required for the degree of B.S.A.
That the requirement for 3 units of courses in the Humanities or Social Sciences be changed to: 5-6 units of non-science electives.

FACULTY OF APPLIED SCIENCE

Curriculum changes:

Changes in curriculum in Agricultural Engineering, Chemical Engineering, Electrical Engineering, Metallurgical Engineering, Mining Engineering, and Engineering Physics, as submitted to Senate in December, 1963.
Foreign language requirement in pre-Engineering year replaced by a free Arts elective.

New courses:

Chemical Engineering 459(3) - Major Design Problem
Mathematics 357(1) - Industrial Statistics and Linear Programming
Nursing 395(1) - Nursing Team Leadership

Changes in courses:

Mathematics 402 - Applied Science section renumbered 452
Metallurgy 355($1\frac{1}{2}$) - Laboratory Methods and Problems - a combination of sections of Metallurgy 351 and 353

Course withdrawn:

Nursing 350

FACULTY OF ARTS

Curriculum changes:

Changes in Fourth Year of Honours programme for History (enrolment limited to ten students on an experimental basis); changes in requirements for Major in Sociology.
Requirements for Major in Creative Writing listed.

New courses:

Anthropology 300(3) - Social Organization
Anthropology 305(3) - Kinship
Anthropology 402(3) - Ethnography of a Special Area
Anthropology 412(3) - Introduction to Anthropological Problems
Asian Studies 206(3) - Introduction to Southeast Asia (to be offered in 1964-65 only)
Asian Studies 301(3) - Advanced Modern Chinese (new course, re-using the number of a renumbered course)
Asian Studies 402(3) - Fourth Year Japanese
Asian Studies 404(3) - History of Chinese Literature
Asian Studies 412(3) - History of Southeast Asia (to be offered in 1964-65 only)
Asian Studies 442(3) - Readings in Asian History
Creative Writing 201(3) - Prose Techniques
Creative Writing 499(3) - Graduating Essay
Fine Arts 449(3) - Graduating Essay or Supervised Study
Geography 100(3) - Introduction to Regional Geography
German 200(3) - Second Year German (new course, re-using the number of a discontinued course)
German 210(3) - Second Year German
German 323(3) - Advanced Composition
German 412(3) - Twentieth Century Poetry
German 413(3) - The German Novel in the Twentieth Century
Greek 325(3) - An Introduction to the Greek New Testament
History 317(3) - Medieval English Institutions (to alternate with History 316)
History 409(3) - The History of Italy, 1559-1918 (to alternate with History 406)
History 418(3) - Great Britain, 1688-1832 (to alternate with History 419)
History 421(6) - Honours Tutorial
Latin 200(3) - Second Year Latin
Latin 401(3) - Philosophy
Latin 402(3) - Drama
Latin 403(3) - Lyric and Elegy
Latin 404(3) - Satire
Mathematics 240(3) - Mathematics for Social Sciences
Psychology 200(3) - Experimental Psychology
Psychology 306(3) - Conditioning and Learning
Religious Studies 302(3) - Buddhism
Religious Studies 406(3) - The Epistles (to alternate with Religious Studies 405)
Religious Studies 409(3) - Intertestamental Judaism
Religious Studies 412(3) - Mahayana Buddhism
Sociology 306(3) - Socialization
Sociology 325(3) - Introduction to the Theory of Organizations
Sociology 430(3) - Comparative Study of Social Institutions

New courses, continued:

Home Economics 106 - Clothing Construction Techniques Workshop (two-week non-credit course following spring term examinations)

Changes in courses:

Anthropology 400,430 - titles and descriptions changed
Asian Studies 100,101,200,201 - unit value increased from 3 to $4\frac{1}{2}$ units each; time allotment increased
Asian Studies 205,310 - descriptions changed
Asian Studies 301 - renumbered 303, description changed
Creative Writing 202,407,409,410 - titles and descriptions changed
English 449 - renumbered 499, description changed
Fine Arts 328,430,432 - titles and descriptions changed
Geography 304 - title changed
German 90,302 - renumbered 100,411 respectively
German 110,120,130,223,401,405 - titles and descriptions changed
History 201,419 - titles and descriptions changed
International Studies 410 - renumbered History 430, title changed
Italian 516,517 - renumbered 403,404 respectively
Latin 110,120,210,220,407 - titles and descriptions changed
Latin 90,303,325 - renumbered 100,405,425 respectively
Sociology 320 - renumbered 420

Courses withdrawn:

Anthropology 303,310,311 - replaced by 402
Anthropology 415,431,432,433 - replaced by graduate courses
Anthropology 434 - merged with 430
Geography 303
German 200 (number re-assigned - see above)
Home Economics 100
Latin 304,305,405
Sociology 305
Sociology 310,401,420 - transferred to graduate programme; number 420 re-assigned to former 320

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Curriculum changes:

Changes in curriculum in Marketing, Industrial Administration, Finance, Teaching and Industrial Relations options.

Changes in courses:

Commerce 362 - title and description changed
Commerce 372 - divided into:
372($1\frac{1}{2}$) - Life Insurance and Personal Risk
374($1\frac{1}{2}$) - Insurance and Risk Management
Commerce 495 - unit value changed to $1\frac{1}{2}$-3

FACULTY OF FORESTRY

Change in policy:

A candidate who does not complete his studies for graduation in May following Fourth Year, will be required to register for all uncompleted subjects, including graduating thesis, in a subsequent session, summer or winter, and will be assessed the regular fees for these subjects.

Curriculum changes:

Changes in curriculum as submitted to Senate in December, 1963.

FACULTY OF GRADUATE STUDIES

Change in regulations:

Amendment of the regulation that "If the Master's degree is to be taken in a single department, at least 3 and not more than 6 units must be taken in related fields outside the department", to read "If the degree is to be taken in a single department, at least 3 and not more than 6 units must be taken in related fields outside the department, except by special permission of the department concerned."

New courses:

Anthropology 500(2) - Advanced Theory
Anthropology 511(2) - Personality and Culture
Anthropology 512(2) - Language and Culture
Anthropology 520(2) - Advanced Prehistory of a Special Area
Anthropology 530(2) - Social Change
Anthropology 534(1-3) - Special Advanced Courses
Creative Writing 549(3-6) - Master's Thesis
Economics 505(3) - Sample Survey Methods and Theory
Economics 510(3) - Government Finance
Economics 515(3) - Mathematical Economics
Economics 518(3) - Stability and Growth
Economics 520(3) - Economic History
Economics 604(3) - Advanced Econometrics

New courses, continued:

Economics 607(3) - Comparative Industrial Relations Systems
Economics 608(3) - Banking Processes and Policies
Education 589(3-6) - Clinical Practicum
Geography 506($1\frac{1}{2}$-3) - Problems in the Geography of China (to be offered in 1965-66)
Geography 507($1\frac{1}{2}$-3) - Historical Geography of Canada and the United States
Geography 513($1\frac{1}{2}$-3) - Quantitative and Dynamic Geomorphology (to alternate with Geography 514)
Geography 514($1\frac{1}{2}$-3) - Quantitative Methods in Earth Sciences
Geography 515($1\frac{1}{2}$-3) - Urban Geography
Geophysics 502(2) - Principles of Earth Science
Geophysics 511(1-2) - Seismology
German 507(3) - The German Essay from Lessing to Thomas Mann
German 508(3) - Gothic and Comparative Germanic Linguistics
International Studies 500(3) - Readings in International Relations
Mathematics 528(1) - Theory of Automata
Mathematics 529(1) - Topics in Information Processing
Metallurgy 578(1) - Diffusion II
Metallurgy 586(1) - Electron Microscopy
Metallurgy 588(2) - Physical Metallurgy
Political Science 500(3) - Research Seminar in Canadian Government and Politics
Political Science 503(3) - Techniques of Political Analysis and Research
Political Science 506(3) - Models of the Political System
Political Science 649(6-9) - Ph.D. Thesis
Psychology 504(3) - Advanced Physiological Psychology
Psychology 505(3) - Advanced Psychometrics
Psychology 506(3) - Perceptual Processes
Psychology 507(3) - Cognitive Processes
Psychology 508(3) - Human Factors and Systems Research
Sociology 501(1-3) - Directed Studies in Sociology

Changes in courses:

Geology 505 - unit value changed from 2 to 3
Physics 508,533,541,542 renumbered Geophysics 501,513, 512, 521 respectively; titles and descriptions changed
Metallurgy 572,574,576,584 - titles, descriptions and unit values changed
Italian 516,517 - renumbered 403,404 respectively

## FACULTY OF SCIENCE

### Curriculum changes:

Establishment of three programmes for B.Sc. degree - Honours, Major, General *

### New courses:

Biology 437(1-2) - Problems in Genetics
Geophysics 200(2) - Astronomy
Geophysics 301(2) - Waves
Mathematics 207(1) - Introduction to Computers
Mathematics 208(1) - FORTRAN Programming
Mathematics 413(2) - Calculus of Variations with Applications
Mathematics 418(3) - The Theory of Probability
Mathematics 419(3) - Statistics: The Design of Experiments

### Changes in courses:

Bacteriology 100,200 - renumbered 200,301 respectively
Biology 430 - unit value reduced to 2; description changed
Earth Sciences 400,401 - renamed Geophysics 403,400 respectively; titles and descriptions changed
Geology 200,304,310 - renumbered 105,204,210 respectively
Mathematics 320,401,402,403,404,406,407,414,415 - unit values increased from 2 to 3 units each
Physics 316 - renamed Geophysics 300; description changed
Physics 461 - divided into:
  Geophysics 401(2) - Applied Geophysics
  Geophysics 402(1) - Applied Geophysics Laboratory
Zoology 303 - divided into:
  Zoology 303(3) - Elementary Vertebrate Physiology (for students not taking the B.Sc. programme)
  Zoology 304(3) - Vertebrate Physiology (for students who have successfully completed the First Year requirements of the B.Sc. programme)

* Foreign language requirement was in general eliminated.

Appendix II - New Courses for 1965-66 unless otherwise indicated, and Changes in Courses and Curriculum for 1964-65.
(see p. 3373)

## FACULTY OF APPLIED SCIENCE

### Curriculum changes:

Changes in curriculum in Agricultural Engineering, Chemical Engineering, Metallurgical Engineering and Mining Engineering to permit the inclusion of Mathematics 357.
Changes in curriculum in Civil Engineering.
Reinstatement of Option III in Geological Engineering.

## FACULTY OF ARTS

### New courses:

Fine Arts 428(3) - Art and the Studio: Analysis of Style (to be introduced in 1964-65)
German 310(3) - German Literature 1700-1870
History 205(3) - Europe in the Americas
History 304(3) - Social and Economic History of the Middle Ages
History 311(3) - Expansion of Europe - South-East Asia and the Pacific Area
History 313(3) - The Renaissance
History 321(6) - Tutorial in the First Field of Concentration
History 322(6) - Tutorial in the Second Field of Concentration
History 327(3) - American Colonial and Revolutionary History
History 328(3) - The United States, 1789-1877
History 405(3) - A History of Russia, 1689-1917
History 413(3) - The Reformation
History 416(3) - France in the Middle Ages
Italian 223(3) - Grammar, Composition, Translation
Italian 302(3) - Advanced Composition, Translation, Stylistics
Philosophy 325(3) - Chinese Philosophy
Philosophy 430(6-9) - Honours Tutorial (to be introduced in 1964-65)
Polish 415(3) - History of Poland
Political Science 310(3) - Political Behaviour (to be introduced in 1964-65)

Changes in courses:

Creative Writing 407 - divided into:
Creative Writing 406(3) - Writing of Radio, Screen, and Television Plays
Creative Writing 407(3) - Writing of Stage Plays
Creative Writing 409 - divided into:
Creative Writing 408(3) - Writing of the Novella or Novel
Creative Writing 409(3) - Writing of Short Stories
German 300 - renumbered 350

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

New courses:

Commerce 322($1\frac{1}{2}$) - Labour Relations
Commerce 324($1\frac{1}{2}$) - Personnel Administration
Commerce 425(3) - Management of Human Resources

Changes in courses:

Commerce 321,422 - title and content changed
Commerce 471 - divided into:
471($1\frac{1}{2}$) - Theory of Finance
472($1\frac{1}{2}$) - Financial Management
Commerce 474 - divided into:
473($1\frac{1}{2}$) - Security Analysis
474($1\frac{1}{2}$) - Investment Policy

FACULTY OF DENTISTRY

New courses:

Oral Biology 420 - Principles of Occlusal Function and Articulation
Oral Biology 423 - Pathology of the Oral Tissues
Oral Medicine 425 - Oral Medicine and Diagnostic Procedures
Oral Surgery 426 - Principles of Oral Surgery and Anaesthesiology
Orthodontics 429 - Introduction to Orthodontics
Public and Community Dental Health 427 - Professional Development
Restorative Dentistry 411 - Introduction to Clinical Restorative Dentistry
Restorative Dentistry 421 - Methods and Materials

FACULTY OF EDUCATION

New courses: (Industrial Arts Programme)

Education 356(3) - Electronic Fundamentals (to be offered in Summer Session, 1964)

New courses, continued:

Education 456(3) - Data Generation - Processing and Reception

FACULTY OF GRADUATE STUDIES

New courses:

Asian Studies 510(3) - Reading Course in Asian History and Literature
Asian Studies 549(3-6) - Master's Thesis
Chemical Engineering 559(1) - Topics in Chemical Engineering
Civil Engineering 555(1) - Lattice Models
Civil Engineering 557(1) - Yield Line Theory of Concrete Slabs
Civil Engineering 562(1) - Open-Channel Hydraulics
Civil Engineering 577(1) - Advanced Fluid Mechanics
Civil Engineering 578(1) - FORTRAN Programming in Structures
Civil Engineering 579(2) - Concrete Technology
Civil Engineering 581(2) - Geometric Design of Highways
Creative Writing 507(3) - Advanced Writing of Drama
Creative Writing 509(3) - Advanced Writing of Fiction
Creative Writing 510(3) - Advanced Writing of Poetry
Economics 548(3) - Directed Studies
Economics 600(3) - Topics in Economic Theory
Electrical Engineering 585(2) - Antennas and Radio Propagation
German 509(3) - The Enlightenment
German 510(3) - Studies in the Early Classical Period
German 511(3) - Studies in the Later Classical Period
German 512(3) - Studies in Romanticism
German 513(3) - Seminar in Austrian Authors
German 514(3) - Nineteenth Century Realism
German 515(3) - Contemporary Authors
German 516(3) - Special Guided Research
German 548(1) - Bibliography and Methods
German 649 - Ph.D. Thesis
History 511-513(3) - Seminar in Mediaeval History
History 517-519(3) - Seminar in Modern European History
History 521-523(3) - Seminar in British History
History 527-529(3) - Seminar in Imperial and Commonwealth History
History 531-533(3) - Seminar in Canadian History (absorbing the present History 533)
History 537-539(3) - Seminar in American History
History 541-543(3) - Seminar in Intellectual History
History 649 - Ph.D. Thesis
Italian 501(3) - Studies in Dante
Italian 520(3) - Italian Language and Literature
Philosophy 511(3) - Seminar in Aesthetics

New courses, continued:

Philosophy 535(3) - Seminar in the Philosophy of Science
Philosophy 536(3) - Seminar in Logic
Philosophy 537(3) - Seminar in the Philosophy of Mathematics
Physics 541(3) - Dynamic Meteorology
Poultry Science 523(1½) - Biometrical Techniques
Psychology 542(3) - Clinical Psychology Seminar
Slavonic Studies 512(3) - Problems in Eastern Europe in the 19th and 20th Centuries
Slavonic Studies 514(3) - History of Russian Education
Slavonic Studies 516(3) - Mayakovsky's Creative Heritage
Sociology 502(2) - Contemporary Sociological Theory
Sociology 504(2) - Seminar in Sociological Research
Zoology 522(2) - Limnology Seminar

Changes in courses:

Asian Studies 525 - description changed
Chemical Engineering 550,551,553,554,555,556,557,558 - unit value changed to 1-2
Chemistry 532,535,536,540 - titles changed
Civil Engineering 550,553 - unit value reduced from 3 to 2
Civil Engineering 550,553,556,561,570,576 - description changed
Electrical Engineering 571 - renumbered 583; title and content changed
Electrical Engineering 579 - title changed
History 525 - renumbered 501
Mathematics 508,509,511,513 - unit value increased from 2 to 3; titles changed
Physics 536 - description changed
Psychology 501,503,511,530,540,541 - titles changed
Sociology 420,401,310 - renumbered 520,521,522 - content revised to fit graduate programme
Sociology 510 - unit value reduced from 3 to 2; description revised
Sociology 520 - renumbered 503; unit value reduced from 3 to 2

Courses withdrawn:

German 500
History 504,534,535,536,540,547,548
Sociology 540

## FACULTY OF PHARMACY

### Curriculum change:

Biology 400 (discontinued) replaced by Zoology 303 in Second Year.

## FACULTY OF SCIENCE

### New courses:

Botany 435(3) - Plant Biochemistry
Physiology 310(3) - General Physiology
Zoology 306($1\frac{1}{2}$) - Animal Ecology (replacing one section of Zoology 401; to be introduced in 1964-65)

### Changes in courses:

Bacteriology 409 - unit value increased from $1\frac{1}{2}$ to 3
Bacteriology Department - regulation requiring Second Class standing for admission to Fourth Year courses deleted
Zoology 503 - renumbered 428

## Appendix III - New Awards and Changes in Awards

(see p. 3373)

### The Charles Chan Kent Golden Wedding Scholarship and Charitable Foundation Bursaries (replacing the Charlie Kent Scholarship)

Two bursaries of $150.00, the gift of the Charles Chan Kent Golden Wedding Scholarship and Charitable Foundation, are offered to students who are proceeding to a degree in any field, have successfully completed at least one year at the University of British Columbia, and need financial assistance. They will be awarded to students of Chinese extraction. If possible, one award will be reserved for a Chinese student from overseas.

### Cyanamid of Canada Limited Scholarship

A scholarship ranging from $500.00 to $750.00, gift of Cyanamid of Canada Limited (Montreal), is offered to undergraduate students in Chemical Engineering. It will be awarded on the basis of promise and high scholastic standing.

## The Dave Morris Memorial Scholarship

This scholarship of $200.00, gift of the B. C. Arena, Auditorium & Stadium Association, was given to honour the memory of Dave Morris, founder of Spectacular Productions Ltd., and an associate member of the Association. It serves to pay tribute to the assistance which he so willingly gave to others. The scholarship was awarded to a student in Electrical Engineering.

## The Mr. and Mrs. Sidney Zack Bursary

A bursary of $100.00, gift of Mr. and Mrs. Sidney Zack, is offered annually in the School of Librarianship. It will be awarded to a student who has a good academic record, shows promise in the field of Library Science, and needs financial assistance.

## Neil Douglas McKay Scholarship Fund

This fund, established by Ruby McKay and Friends, provides an annual scholarship of approximately $1,500.00. It is offered to students who, through their first year of study in field work, have demonstrated both interest and skill in work with children and their families, and are proceeding to the second year. Without unduly restricting the choice, preference will be given to a student who, by choice and conviction, intends to practise in the field of public family and child welfare. (It is expected that the scholarship will be awarded for the first time in September, 1967.)

## The Cariboo Bar Association Bursary
(in memory of P. E. Wilson, Q.C.)

A bursary of $250.00, offered in memory of P. E. Wilson, Q.C., is given annually by the Cariboo Bar Association. It will be awarded by the University to a student in any year of Law who has good academic standing and needs financial assistance. Preference will be given to a student from the area of the Province served by the Cariboo Bar Association.

Interior Dental Society Bursary

A bursary of $250.00, gift of the Interior Dental Society, is offered to students in the Faculty of Dentistry. It will be awarded by the University to a student with a good academic record who needs financial assistance. Preference will be given to a student from the Interior.

Osler Society Medical Scholarship

A scholarship of $200.00, gift of the Osler Society of Vancouver, was offered in May, 1964, in the Faculty of Medicine. The award was made on the basis of overall proficiency in the third year to a student proceeding to the final year of his course.

The Canadian Forest Products Ltd. Scholarships in Engineering

Two scholarships, one of $250.00 and the other of $200.00, the gift of Canadian Forest Products Ltd., are offered to students in the second or third year of Chemical, Civil, or Mechanical Engineering who are proceeding to the next higher year. They will be awarded on the basis of proficiency, with preference being given to students with special interest in areas related to the forest industry.

The Canadian Forest Products Ltd. Scholarships in Commerce

Two scholarships, one of $250.00 and the other of $200.00, the gift of Canadian Forest Products Ltd., are offered to students in Commerce and Business Administration who are proceeding to the final year. They will be awarded on the basis of proficiency.

The Canadian Forest Products Ltd. Scholarships in Arts

Two scholarships of $200.00 each, the gift of Canadian Forest Products Ltd., are offered to students in the Faculty of Arts who are proceeding to the final year. Awards will be made on the basis of proficiency, but preference will be given to those students in Economics.

The Canadian Forest Products Ltd. Prizes in Forestry

Two prizes of $100.00 each, the gift of Canadian Forest Products Ltd., will be awarded to students graduating in Forestry with the degree of B.S.F., in the Harvesting Option, or with the degree of B.A.Sc. in Forest Engineering. The awards will be made on the basis of proficiency in the work of the final two years. In the event that candidates in the fourth year do not qualify, the prizes may be awarded to students in the second or third years in these fields who have obtained high standing in the final examinations.

The Canadian Forest Products Ltd. Scholarships in Forestry

Two scholarships of $250.00 each, the gift of Canadian Forest Products Ltd., will be awarded to the students attaining highest standing in the third year of the Harvesting Option of the B.S.F. course, or the third year of the Forest Engineering course, and proceeding to the fourth year. In the event that students entering the fourth year do not qualify, the scholarships may be awarded on the basis of proficiency to students in these courses proceeding to the second or third year.

(The foregoing ten awards replace the Canadian Forest Products Ltd. Prizes and the Canadian Forest Products Ltd. Scholarships, which were open to students in Forestry and Forest Engineering only).

The Henry Ohlman Scholarship

This scholarship, the gift of Mr. Henry Ohlman, is offered to a student in any year of the course leading to the degree of B.Mus. It will be awarded to the student whose major instrument is the clarinet and who, in the opinion of the Faculty, has the best overall record in the total programme of the year. The scholarship will provide free tuition by the donor on the clarinet.

The Alpha Omega Society Bursary

This bursary of $100.00, gift of the Alpha Omega Society, a University organization for students of Ukrainian descent, is offered to active members of the Society who have good academic standing, need financial assistance, and are continuing in a full programme of undergraduate studies. The recipient will be selected by the University in consultation with the Club.

The Annie Lipson Memorial Bursary in Social Work

A bequest to the University from Mrs. Annie Lipson provides a bursary of $125.00 annually for four years. The first award will be made in September, 1964. This bursary is offered to students beginning or continuing studies in the School of Social Work and will be awarded to a student with a good academic record who needs financial assistance.

General Foods, Limited, Scholarships

These scholarships, gift of General Foods, Limited, with head offices in Toronto, are offered to students at the University of British Columbia in any first-degree course with outstanding academic and other qualifications. Each scholarship has the annual value of $500.00. For attendance in the Session 1964-65, one four-year award, one three-year award, one two-year award, and one award for a single year will be available.

The Victoria Real Estate Board Scholarship

A scholarship of $250.00, a gift of the Victoria Real Estate Board, is offered to an undergraduate or graduate student in Commerce and Business Administration who is taking the Estate Management programme, has high academic standing and is deserving of assistance to further his education. The award will be made on the recommendation of the Faculty.

The David Fouks Memorial Bursary

A bursary of $1,000.00, established as a memorial to David Fouks by his brother, Arthur Fouks, Esq., B.A., LL.B., is offered annually to undergraduates

in any year and faculty. The award will be made by the University to a student of good academic standing who shows promise of success in his chosen field of studies and who is deserving of financial assistance.

The Louis Ware Scholarship

This scholarship, gift of International Minerals & Chemical Corporation (Canada) Limited, is offered to an outstanding student proceeding to the senior undergraduate year. In the amount of $1,000.00, it will be awarded to a student proceeding to the B.Sc. or B.A.Sc. degree in any of the mineral sciences, excluding honours or majors in Metallurgy (except those in Option I), the Petroleum Sciences, Petroleum Geophysics, and Paleontology. The winner will be selected by the Department of Geology and the Department of Mining and Geological Engineering.

Pan American Petroleum Corporation Fellowship

A graduate fellowship of $1,800.00, plus tuition and fees, is offered for graduate study and research in Engineering, Geology, or Geophysics. Subject only to the restriction that it should have some relationship to the petroleum industry, the research problem is at the discretion of the University and the fellow. Selection of the winner will be made by the University.

The Agriculture Women's Undergraduate Society Bursary

This bursary, gift of the Agriculture Women's Undergraduate Society, is offered to a woman student entering the Faculty of Agriculture for the first time. It will be awarded to a student on the basis of qualities of character and leadership and financial need.

The Comox Valley P.T.A. Dental Bursary

A bursary of $125.00, gift of the Courtenay Elementary, Royston Elementary, and Union Bay Elementary Parent Teacher Associations, was offered to a student proceeding to a degree in Dentistry in the Session 1964-65. The winner was chosen by the University on the basis of standing, with particular emphasis on need.

The V.G.H. Department of Psychiatry Attending Staff Prize

This prize of $75.00, given annually by the Attending Staff of the Department of Psychiatry of the Vancouver General Hospital, will be awarded to the student who is generally the most proficient during his third year. The award will be based on examination results and on clinical ability judged on performance during the academic year.

Fraser Valley Bar Association Bursary - increased in value from $150.00 to $300.00.

Norman MacKenzie Alumni Scholarships (forty-two) - increased in value from $300.00 to $350.00 each.