Wednesday, September 13, 1978.

The First regular meeting of the Senate of The University of British Columbia for the Session 1978-79 was held on Wednesday, September 13, 1978 at 8.00 p.m. in the Board and Senate Room.

Present: President D. T. Kenny (Chairman), Chancellor J. V. Clyne, Ms. K. Andrew, Mr. J. B. Barnett, Dean G. S. Beagrie, Mr. W. H. Birmingham, Mrs. M. F. Bishop, Dr. E. V. Bohn, Dr. C. B. Bourne, Miss M. F. Boyle, Mr. W. G. Burch, Rev. P. C. Burns, Mr. D. A. Coulson, Dr. J. G. Cragg, Dr. J. Dahlie, Mrs. L. Daniells, Dr. J. D. Dennison, Dr. A. J. Elder, Dr. C. V. Finnegan, Mrs. E. D. Fulton, Dean J. A. F. Gardner, Mr. D. Gillespie, Mr. R. H. Goodwin, Ms. P. Gouldstone, Dr. A. G. Hannam, Dr. T. D. Heaver, Dr. F. R. C. Johnstone, Dr. L. D. Jones, Dr. H. C. Knutson, Mr. J. Kulich, Dean P. A. Larkin, Dr. J. R. Ledsome, Dr. D. Lupini, Dean P. A. Lusztig, Dean K. M. Lysyk, Dr. D. J. MacDougall, Mr. J. M. MacIntyre, Ms. C. E. McAndrew, Dr. C. A. McDowell, Mr. W. A. McKerlich, Dr. J. H. McNeill, Mr. J. F. McWilliams, Rev. J. P. Martin, Mr. R. K. Miller, Acting Dean A. D. Moore, Miss M. J. Nelson, Mr. C. Niwinski, Dr. R. A. Nodwell, Dr. J. F. Richards, Dean B. E. Riedel, Dr. V. C. Runeckles, Dr. S. O. Russell, Mr. M. M. Ryan, Dr. G. G. E. Scudder, Dr. J. G. Silver, Mr. D. W. Smith, Dr. R. H. T. Smith, Dr. G. J. Spitler, Dr. J. K. Stager, Mr. B. Stuart-Stubbs, Mr. K. Suleman, Dr. O. Sziklai, Mr. G. A. Thom, Mr. L. Valg, Dean G. M. Volkoff, Miss C. L. V. Warren, Mr. E. Warren, Dean R. M. Will, Dr. M. D. Willman, Dr. J. L. Wisenthal.

Observers: Mr. J. A. Banham, Dr. D. E. Vance.

Messages of regret for their inability to attend were received from Dean J. H. M. Andrews, Dr. K. T. Brearley, Dr. T. H. Brown, Dr. W. M. Keenlyside, Dean W. D. Kitts, Dr. R. F. Scagel, Dr. M. Shaw, Mrs. J. C. Wallace, Dean W. A. Webber.

Minutes of the previous meeting

Dean Gardner)
Dr. MacDougall) That the minutes of the Ninth regular meeting of Senate for the Session 1977–78 having been circulated be taken as read and adopted.

Carried

Senate membership

Introduction of new members of Senate

The Chairman welcomed to Senate Chancellor J. V. Clyne, Mr. W. A. McKerlich, Lieutenant-Governor appointee, Dean G. S. Beagrie, Faculty of Dentistry, and Acting Dean A. D. Moore, Faculty of Applied Science.

Wednesday, September 13, 1978.

Senate membership (continued)

Declaration of vacancies

As required under Section 36 (6) of the Universities Act, the Secretary declared the following vacancies on Senate:-

(i) one student representative of the Faculty of Dentistry to replace Mr. Carl Cramer

(ii) one student representative of the Faculty of Education to replace Miss Joan Blandford

(iii) one student representative of the Faculty of Science to replace Mr. Bruce Armstrong

(iv) one student representative of the Faculty of Forestry to replace Mr. Peter Dash (elected but did not take office)

(v) one student representative at-large to replace Mr. Lorne Rogers.

Business arising from the Minutes

Courses in Canada's other official language

The following notice of motion had been given at the previous meeting:-

"Understood that Canada is a country comprising many different cultures and possessing two official languages;

Understood that all Canadians should have the possibility of studying in the official language of their choice in the Province of their choice;

Be it resolved that the Senate encourage all the faculties of U.B.C. to offer a greater number of their courses in the other official language of Canada;

And that it also be resolved that the Senate encourage the Ministry of Education to offer a greater number of courses at all levels of education in British Columbia in the other official language of Canada."

It was agreed that the motion be divided into two parts.

Mr. Warren)
Mr. Coulson)

Understood that Canada is a country comprising many different cultures and possessing two official languages;

Understood that all Canadians should have the possibility of studying in the official language of their choice in the Province of their choice;

Be it resolved that the Senate encourage all the Faculties of U.B.C. to offer a greater number of their courses in the other official language of Canada.

Business arising from the Minutes

Courses in Canada's other official language (continued)

During the following discussion opinions were expressed that it would be extremely difficult to teach required courses in the French language; electives would perhaps be less of a problem. Although there were no academic regulations against such a proposal there would obviously be financial restrictions.

The motion was put and carried.

Mr. Warren) Mr. Coulson)	Be it resolved that the Senate encourage the Ministry of Education to offer a greater number of courses at all levels of education in British Columbia in the other official language of Canada.

Dr. Lupini, in pointing out that the responsibility of course offerings rests with the local districts and not the Ministry of Education, suggested the following re-wording of the motion:-

"Be it resolved that the Senate urge the Ministry of Education to encourage School Boards to offer a greater number of courses at all levels of education in British Columbia in the other official language of Canada."

The mover and seconder agreed to the re-wording of the motion.

Following further discussion the motion was put and lost.

Student representation on the University Library Committee and on the Liaison with Post-Secondary Institutions Committee

Notice of motion to increase student representation on the above committees had been given at the previous meeting.

Mr. Warren) Mr. Coulson)	That the student senator representation on the University Library Committee be increased by one.

Carried

Dean Larkin stated that it might be useful to have a graduate student as well as an undergraduate student on the Library Committee and suggested that the Nominating Committee take this into consideration when making their recommendations.

Mr. Warren) Mr. Coulson)	That a student senator be added to the membership of the Liaison with Post-Secondary Institutions Committee.

Carried

Wednesday, September 13, 1978.

Business arising from the Minutes (continued)

Student representation on investigative review committees

Notice of motion had been given at the previous meeting.

Mr. Warren)
Mr. Goodwin)

Whereas an adequate assessment of academic programs can only be had when consideration is given to student concerns, and whereas students can contribute valuable input on bodies which assess academic programs and their implementation; be it resolved that representation be afforded students on investigative review committees.

In presenting the motion Mr. Warren explained that students wished to have more input. Many of them felt that not enough attention was paid to student opinion.

Dean Will stated that review committees were not representative committees. When a department was being reviewed no-one from that department, either faculty or student, was a member of the review committee. Reviews were usually undertaken by people from outside the University. The purpose of a review was to ascertain how well the students were being served with existing programs and courses and he felt that there were opportunities for students to come forward with opinions.

The motion was put and lost.

From the Board of Governors

Notification of approval in principle of Senate recommendations - That, as recommended by Senate and the Faculty of Medicine, and subject to review by the University Solicitor and subject to review and agreement by the Chairman of the Board and the President that there are no substantive changes in the affiliation documents, the affiliation documents between The University of British Columbia and The Cancer Control Agency of British Columbia and between The University of British Columbia and The New Grace Hospital were approved.

Prizes, Scholarships and Bursaries

Questions had been raised at the Agenda Committee meeting concerning restrictions placed on some of the awards; two were restricted to women students only and another was restricted to sons and daughters of members of a trade union. The Agenda Committee had therefore recommended that the list of awards, which had been circulated, be reviewed by a committee to be established under the report of the Nominating Committee which appeared later on the agenda.

Considerable discussion followed. Some members felt quite strongly that donors were entitled to state to whom their awards should be granted.

Prizes, Scholarships and Bursaries (continued)

Dean Lusztig expressed concern that if the recommendation of the Agenda Committee were upheld, and the granting of these awards delayed, it would create serious difficulties for those students with financial problems.

Dean Lusztig)
Dean Larkin) That Senate consider the list of awards.

It was generally agreed that the list of awards should be considered but that the question of policy concerning the acceptance of awards, together with a review of all existing awards listed in the Calendar, should be referred to the committee to be established.

The motion was put and carried.

Dean Lusztig)
Dean Volkoff) That the new awards (listed in Appendix 'A') be accepted subject to the approval of the Board of Governors, and that letters of thanks be sent to the donors.

Carried

Annual Financial Report of the University, March 31, 1978

As required under Section 32 of the Universities Act, the Board of Governors had forwarded to Senate copies of the Annual Financial Report, Balance Sheet and Financial Statements of the University for the fiscal year ended March 31, 1978.

Reports of Committees of Senate

Curriculum Committee (See Appendix 'B')

Dr. Wisenthal presented the report. The committee recommended approval of: a Four-Year Program in Engineering submitted by the Faculty of Applied Science; a new course submitted by the Faculty of Commerce and Business Administration; a calendar change concerning the Academic Preparation of Graduates who wish to become School Teachers, and a new course submitted by the Faculty of Education; a proposal to offer a combined M.D. and Ph.D. program, together with new courses and course changes submitted by the Faculty of Graduate Studies; a new course submitted by the Faculty of Law; the deletion of the Diploma Program in Nursing submitted by the School of Nursing; and new courses and program changes submitted by the Faculty of Science.

Wednesday, September 13, 1978.

Reports of Committees of Senate

Curriculum Committee (continued)

The committee recommended that the following exceptions and amendments be made:

1. That the prerequisite for Education 339 be changed to read:

   "A minimum of nine units of senior course work from the Faculty of Arts list in Canadian Studies or consent of the instructor."

2. That approval of Home Economics 521, 523, 525 and Physical Education 564 and 567 be withheld pending clarification.

3. That the description of Oceanography 504 (1) Organic Chemicals in the Marine Environment be changed to read:-

   "The role of organic substances in the ocean. Detailed consideration of man-made pollutants and naturally occuring materials. Chemistry of the compounds and their synthesis by organisms or by industry. Chemical lability of the compounds and their environmental degradation. Ecological impact, oceanographic distribution and potential use of organic substances as oceanographic tracers. Trace metal-organic interactions."

4. That approval of Mathematics 111 be withheld pending further consideration.

Dr. Wisenthal) Dr. Moore)	That the Four-Year Program in Engineering recommended by the Faculty of Applied Science be approved, with the proviso that the program be reviewed within the next two years.

Dr. Wisenthal stated that the committee had been assured by the Faculty that the admissions procedures for this program would be given special attention. Students would require 'A' standing in Algebra, Physics and Chemistry 12 and there would be further criteria established in order to ensure that the students admitted could handle the extra load necessitated by the shorter degree program. It was not anticipated that many students would be involved; it was not intended to be a large program and would not affect the existing five-year program. The program was designed for exceptional, highly motivated, well-qualified students.

In reply to a query Dr. Wisenthal confirmed that any student experiencing difficulty with the four-year program could move into the five-year program. It was suggested that data be kept on those students who did not succeed in the program.

The motion was put and carried.

Reports of Committees of Senate

Curriculum Committee (continued)

Dr. Wisenthal)
Mr. MacIntyre) That the proposals submitted by the Faculty of Commerce and Business Administration, the Faculty of Education, the Faculty of Graduate Studies, the Faculty of Law, the School of Nursing and the Faculty of Science be approved.

Carried

Nominating Committee

Dr. Stager presented the report. The committee recommended that Mr. W. A. McKerlich and Dr. R. H. T. Smith be added to the membership of the Admissions Committee and that Dean W. D. Kitts be added to the membership of the Committee on Extracurricular Activities.

The committee also made the following recommendations concerning the membership of the Student Awards Review Committee to be established in accordance with a resolution passed by Senate at its meeting of February 15, 1978:-

Dean G. S. Beagrie
Dr. A. J. Elder
Dean J. A. F. Gardner
Mr. R. H. Goodwin
Dr. H. C. Knutson
Mr. J. F. McWilliams
Dr. R. A. Nodwell
Mr. D. W. Smith

Dr. Stager)
Dr. MacDougall) That the recommendations of the Nominating Committee be approved.

Carried

Report on Interior Programs

At the invitation of the Agenda Committee Dr. Shearer, Chairman of the President's Committee on Interior Programs, presented a verbal report.

For the benefit of new members Dr. Shearer outlined the background of his previous reports to Senate. He explained that following the September 1976 report of the Winegard Commission, the Minister of Education in the Spring of 1977 created an institution called the Interior University Programs Board, consisting of eight members, four interior residents and four institutional representatives, one from the Universities Council and three from the Universities. The Universities were invited to submit proposals to this Board for degree completion programs to be offered in the Interior of

Report on Interior Programs (continued)

the province. The Board worked through the Summer, Fall and Winter of 1977-78 and recommended to the Universities Council and the Government the funding of some programs in 1977-78, more or less on an ad hoc basis. Some were credit courses, some were non-credit courses. The Board reviewed and also recommended a number of courses and programs to be put on this year, 1978-79, and also reviewed some very major proposals for institutions to be established by the Universities in the Interior.

The Interior Board rejected this University's proposal for the establishment of an institution in the Interior. They did that after a very careful study of potential enrolment. (U.B.C. had proposed a mini Faculty of Arts in an area.) The Board recommended to the Universities Council the approval of a school of resource management to be established by Simon Fraser University, in Kelowna, on an experimental basis. That recommendation to the Universities Council was not fully accepted and instead the Universities Council funded a further study before making a final decision, and the study is now being carried out. The Board also recommended substantial involvement of the University of Victoria, jointly with Selkirk College, in establishing Fine Arts and Education programs at the David Thompson Centre.

Dr. Shearer went on to explain that at the present time various activities in the Interior were being funded out of the Interior Programs budget. These were: funding subsidies for up to thirty Education courses designed to permit teachers in the Interior to take credit courses towards a degree; a substantial sum of money for professional development courses in Education; funding for two types of Commerce programs and for Adult Education short courses; funding for a study on the feasibility of developing degree courses in Agriculture and in Forestry; a substantial sum for a Bachelor of Social Work degree program in Prince George; funding for professional development work such as non-credit courses in Health Sciences, Nursing, Pharmacy, Dentistry, and in continuing education some funding for professional development work in Engineering, development of a diploma program in the Education of Young Children, and for the improvement of the quality of the Independent Study programs.

Dr. Shearer stated that since the establishment of the Interior University Programs Board some rather dramatic institutional changes had taken place. Firstly the Minister of Education announced the establishment of an institution called the Open Learning Institute, and later in the Spring announced the appointment of Professor John Ellis from Simon Fraser University as the first Principal of that Institute. The Institute was established to "provide programs of study learning to a first degree in Arts and Science, provide programs of study in career, technical and vocational areas, and

Report on Interior Programs (continued)

provide programs of study in adult basic education to be distributed by distance education methods." It appeared that the new Institute would be in direct competition with established colleges and universities for students. The Open Learning Institute would pre-empt Arts and Science in the Interior as the programs to be delivered by the Institute were to be given by distance education methods (essentially correspondence courses supplemented by tutorial arrangements, television, radio and whatever other communication devices were appropriate). The effect would be to negate any plans that the University might have for the future development of substantial programs in the Arts and Sciences in the Interior.

Simultaneously with the establishment of the Open Learning Institute the Minister disbanded the Interior University Programs Board. He appointed to the Board of the Open Learning Institute the four Interior citizens who had been members of the Interior Board so that part of the Interior Board's operation was being maintained as a cohesive unit. The implications of the disbandment of the Interior Board were not really clear. The Minister requested that the Universities Council establish a committee to do the work that the Interior Board had been doing. The Universities Council turned that responsibility over to their Program Coordinating Committee which was the committee to which all new programs approved by the Senate were referred for review and consideration. Dr. Shearer argued that this was not the appropriate body to carry on the work of the Interior Board for two reasons: 1) the Program Coordinating Committee was solely concerned with new programs whereas the Interior Board had been concerned with taking existing programs and offering them in other locations; and 2) only one member of the Program Coordinating Committee was from the Interior. He had suggested to the Universities Council that the committee be augmented with residents from the Interior in order that there might be a substantial contribution from them.

Senate was also informed that a tri-University committee had been formed jointly with Simon Fraser University and the University of Victoria and that the representatives for U.B.C. were Dr. C. V. Finnegan, Dr. P. Remnant and Dr. R. H. T. Smith. The purpose of the committee was to foster co-operation among the universities in developing programs to be delivered through distance education and more importantly to develop cooperation among the universities and the Open Learning Institute. It was felt that the University could still play a major role in taking programs to the Interior - an activity well worth funding. It was clear that with the present plans most of the University's activities would have to be in the professional fields.

Report on Interior Programs (continued)

It was hoped that through the tri-University committee, and later perhaps directly, the University would be able to cooperate with the Open Learning Institute in developing its programs.

Faculty of Arts

The following report on Diploma Programs offered by the Faculty of Arts in 1977–78 had been circulated for information:-

Program	Enrolment	Completion
Applied Linguistics (Linguistics)	4	2
Art History (Fine Arts)	21	5
Film/Television Studies (Theatre)	2	0
French Translation (French)	12	3
German Translation (Germanic Studies)	2	0

Faculty of Forestry

The Agenda Committee had expressed concern about the university-wide implications of a proposal from the Faculty of Forestry that as of the next graduating class the "interest area" be shown in brackets on the Diplomas. The Agenda Committee recommended that an ad hoc committee be established to investigate the form of degrees and diplomas in the University.

Dean Riedel)
Dr. Sziklai)

That an ad hoc committee be established to investigate the form of degrees and diplomas in the University.

Carried

Report of the Tributes Committee

Dr. Stager presented the report of the Tributes Committee. Members of the gallery were asked to leave.

Memorial Minutes

The following memorial statements had been prepared in accordance with the custom of Senate in recognition by the University and the Senate of the late Sydney Israels and the late Charles Bruce Wood.

Wednesday, September 13, 1978.

Report of the Tributes Committee

Memorial Minutes (continued)

IN MEMORIAM
SYDNEY ISRAELS

Dr. Sydney Israels, professor of Paediatrics in the Faculty of Medicine and one of Canada's best-known practising paediatricians, died suddenly on July 17, 1978.

A native of Saskatchewan, Dr. Israels was educated at the University of Saskatchewan, where he received the degree of Bachelor of Science in 1936, Summa Cum Laude, and the University of Manitoba, where he was awarded his medical degree in 1939. On graduation he won the University Gold Medal in Medicine and the Chown Prize and Medal in Surgery. He interned at the Winnipeg General Hospital, and served as a medical officer in the Royal Canadian Air Force during World War II.

Dr. Israels was named a Fellow of the Royal College of Physicians in 1943 and a Fellow of the American College of Physicians in 1952. He was also a Fellow of the American Academy of Paediatrics.

At the time of his appointment to U.B.C., Dr. Israels was director of clinical investigation and research at the Winnipeg Children's Hospital. In 1964 he became Head of Paediatrics at both the University and the Vancouver General Hospital, posts which he held until 1977. He attracted top academics to his department, and fostered an active teaching and research program. In addition to heavy administrative duties, he himself carried on an active personal research program in the field of metabolic diseases. He was also active in population paediatrics.

He served on the University Senate as a representative of the Faculty of Medicine from 1969 to 1972.

Dr. Israels was largely responsible for the union of the Children's Hospital on 59th Avenue and the Health Centre at the Vancouver General Hospital. He fought vigorously and relentlessly for improved facilities for treating sick children. In addition, he was joint founder with Dr. Roger Tonkin of the Reach community clinic on Commercial Drive designed to provide health services for adults as well as children and give practical training for medical students.

Dr. Israels was an outspoken critic of the slow progress in obtaining better paediatric facilities in Vancouver. His dream was realized last year during the ground-breaking ceremonies for the new Children's Hospital on the Shaughnessy Hospital site. His death came at a meeting held to discuss better facilities.

Report of the Tributes Committee

Memorial Minutes (continued)

His work was more than a profession to him, it was a calling; and he served it well. It is to be regretted that he had too little opportunity to enjoy the fruits of his labour.

To his wife, Rita, and his daughters, Carla Levinson and Sherri Israels; to his brothers, Dr. Max Israels and Dr. Lyonel Israels and sister, Sylvia Markel; and to other members of his family, Senate expresses its deepest sympathy.

IN MEMORIAM
CHARLES BRUCE WOOD

Charles Bruce Wood, Registrar and Secretary of Senate from 1941 to 1957, died on July 24, 1978, in his eighty-sixth year. His death came after many active years in retirement and, except for his last three months, exceptionally good health.

Mr. Wood came to British Columbia as a young man and taught in Penticton and in Cumberland. He held a Bachelor of Arts degree from The University of Toronto and a Master of Arts degree from Columbia University. His teaching career included several years of instruction at the Victoria Normal School followed by six years in the then Department of Education at U.B.C., which he joined as lecturer in 1934. In 1940 he became Assistant Registrar and a year later was appointed Registrar and Secretary of Senate.

As Registrar, Mr. Wood saw the enrolment of the University climb from 2,600 to well over 9,000 in a three-year period as veterans of World War II returned to their studies. He was an efficient, taciturn and reserved man, at least in exterior image. Yet he was very much concerned with students both as a teacher and in his role of registrar. He was especially helpful to foreign students in an era when the University was less well organized to attend their needs. Many grateful students remembered him with respect and affection and continued to correspond with him for years after he left the University.

The Senate would like to record in this memorial minute its appreciation of the sixteen years of service that "C.B." gave as its Secretary.

Dr. Stager)
Dean Riedel)

That the Memorial statement for Sydney Israels be spread on the minutes of Senate and that a copy be sent to the relatives of the deceased.

Carried

Wednesday, September 13, 1978.

Report of the Tributes Committee

Memorial Minutes (continued)

Dr. Stager) Dean Gardner)	That the Memorial statement for Charles Bruce Wood be spread on the minutes of Senate and that a copy be sent to the relatives of the deceased.

Carried

Honorary Degrees

Dr. Stager reminded members of Senate that the committee would be glad to receive nominations for possible honorary degree recipients. These should be submitted to Dr. Stager, Chairman of the Senate Tributes Committee, incorporating the reasons for the nominations, along with curricula vitae.

The meeting adjourned at 10.05 p.m.

The next regular meeting of Senate will be held on Wednesday, October 11, 1978.

Secretary

Confirmed,

Chairman

APPENDIX 'A'

New Awards recommended to Senate

The Accounting Development Fund Graduate Fellowships - Established in 1978, with the sponsorship of the Institute of Chartered Accountants of B.C., the fund will provide graduate fellowships to students specializing in accounting and management information systems. The awards may vary in value and will be made on the recommendation of the Faculty of Commerce and Business Administration.

The Agriculture Undergraduate Society Service Award - This award has been initiated by members of the Agriculture Undergraduate Society and is intended to recognize students in the Faculty of Agricultural Sciences who have made unselfish contributions to students and faculty life. The prize, in the form of a book, will be chosen considering the recipient's area of interest in the field of agriculture. The recipient of the award will be nominated by the Agriculture Undergraduate Society Council and by the members of the Faculty. The final selection will be made by the Faculty of Agricultural Sciences Awards Committee. Candidates must have at least a second class standing.

The American Society of Dentistry for Children Award - This award consists of a Certificate of Merit, together with a one year's subscription to the Journal of Dentistry for Children, given by the American Society of Dentistry for Children to the graduating student who is judged to be the most outstanding in the field of dentistry for children.

The American Society for Testing and Materials Student Awards - The Northwest District Council of the American Society for Testing and Materials annually offers two awards to students in their penultimate or final years in the Faculty of Applied Science. The awards, which consist of a certificate and a subscription to ASTM Standardization News will be made on the recommendation of the Faculty.

The Sutro Bancroft Bursary - A bursary in the amount of $350 has been made available by the late Sutro Bancroft to enable students born in Greece or those born in Canada of a parent or parents born in Greece to attend U.B.C.

The Charles and Alice Borden Fellowship Fund for Archaeology - A doctoral fellowship in the amount of $5,000 has been made available by Charles E. Borden, Ph.D., D.Litt., Professor Emeritus of Archaeology. Dr. Borden's teaching at U.B.C. and his archaeological researches in the Fraser Canyon and other parts of this province set the foundations for Archaeology in British Columbia. The fellowship will be awarded to a qualified candidate in the program leading to the Ph.D. in Archaeology. In selecting the recipient, preference will be given to a candidate whose thesis topic is concerned with problems related to the archaeology and culture history of the Pacific Northwest. The remainder of the annual income may be used for a second fellowship to be awarded to a Ph.D. candidate whose thesis topic is concerned with problems pertaining to the archaeology and prehistory in any area of the Old or New World. The award will be made on the recommendation of the Department of Anthropology and Sociology, in consultation with the Faculty of Graduate Studies. (The initial award will be available in 1980/81).

The E. T. Cantell Graduate Fellowship - A $1,000 fellowship has been endowed with the cooperation of the Real Estate Council of British Columbia, in honour of E. T. Cantell, former Superintendent of Insurance for B.C. This annual fellowship is to be awarded on the recommendation of the Faculty to a graduate student in the Faculty of Commerce and Business Administration specializing in Urban Land Economics or Insurance.

APPENDIX 'A'

New Awards recommended to Senate (continued)

The Civil Litigation Award - An award of $300, donated by members of the Faculty of Law with an interest in Civil Litigation, and a copy of the book entitled B.C. Practice, by McLachlin and Taylor, and donated by Butterworths Limited, will be awarded to either a graduating student or a student entering the final year who has demonstrated promise in the area of civil litigation.

The Class of 1926 Bursary - A bursary in the amount of $350 has been made available by the Class of 1926 on the occasion of their 50th Anniversary.

The Delta Kappa Gamma Society Bursary - A bursary in the amount of $100 has been made available by the Delta Kappa Gamma Society, for a woman student in the Faculty of Education. The award will be made to a student who has a good academic record and whose personal qualities indicate that she will be an outstanding teacher.

The Phil Haddock Prize in Silviculture - A prize in the amount of $40 has been established by the Forestry graduating class of 1978, to commemorate the contribution of Dr. Phillip G. Haddock. Professor Haddock taught the course in Silviculture for twenty-five years prior to his retirement in 1978. The prize will be awarded to the outstanding student in the third year Silviculture course and will be made on the recommendation of the Faculty.

The International Sea-Land Shipping Service Ltd. Scholarship - A scholarship in the amount of $600 will be awarded annually by International Sea-Land Shipping Service Ltd., to an undergraduate student who is entering the final year in the Faculty of Commerce and Business Administration and specializing in Transportation. The award will be made on the recommendat on of the Dean, to a student with high academic standing and who has displayed a continuing interest in the transportation field.

The Robert Wood Johnson Award - This award in the amount of $1,500 was established by Johnson and Johnson to recognize the contributions being made by Canadian universities in the field of Health Care. The award will be made on the recommendation of the Department of Health Care and Epidemiology, to the student deemed most likely to make a substantial contribution in the field of health care.

The Katherine and Hugh Keenleyside Prize in History - A book prize has been made available by members of the family and friends of Katherine and Hugh Keenleyside, to honour their contributions to the University and the province. The award will be made on the recommendation of the Department of History, to an outstanding graduating student specializing in Canadian history.

The Medical Research Council Summer Scholarships in Dentistry - A number of scholarships have been made available by the Medical Research Council to enable students to undertake research during the summer recess. Candidates must have completed at least one year in the Faculty of Dentistry and stand in the top 20% of their class. Recipients will be selected by the Faculty.

The Medical Research Council Summer Scholarships in Medicine - A number of scholarships have been made available by the Medical Research Council to enable students to undertake research during the summer recess. Candidates must have completed at least one year in the Faculty of Medicine and stand in the top 20% of their class. Recipients will be selected by the Faculty.

APPENDIX 'A'

New Awards recommended to Senate (continued)

The Frances Milburn P.E.O. Scholarships - Two scholarships in the amount of $200 each, given by the Vancouver Chapters of the P.E.O. Sisterhood in memory of the late Frances Milburn, will be offered annually to the two highest ranking women students entering third year of the English Honours Program. The awards will be made on the recommendation of the Honours Committee of the English Department.

The U.B.C. Alumni NITEP Bursary - One or more bursaries to a total of $500 have been made available by the U.B.C. Alumni Association to assist non-status Indian students in the Native Indian Teacher Education Program. The awards will be made in consultation with the co-ordinators of the program.

The Dr. M. Pernarowski Memorial Prize - A prize in the amount of $150 has been made available by friends and colleagues of the late Dr. M. Pernarowski, B.Sc., M.Sc., Ph.D., Professor of Pharmaceutical Chemistry in the Faculty of Pharmaceutical Sciences. The award will be made on the recommendation of the Faculty to the graduating student in the Faculty of Pharmaceutical Sciences receiving the Honorary Activities Cup.

The Planning Institute of British Columbia Award - This award consisting of a certificate and prize in the amount of $75 has been made available by the Council of the Planning Institute of British Columbia and will be awarded for the best thesis in areas related to the field of Planning in the final year of the Community and Regional Planning Masters Degree Program.

The Christopher Riley Memorial Scholarship - This scholarship in the amount of approximately $1,400, from the proceeds of a bequest from the estate of Christopher Riley, will be awarded to a graduate student or undergraduate student in Geological Sciences or Geological Engineering on the recommendation of the Head of the Department of Geological Sciences. The award will be made on the basis of academic promise, leadership, and need.

The Southwestern Drug Prize - A prize of $100, given by Southwestern Drug, is open to students in the final year in the Faculty of Pharmaceutical Sciences. It will be awarded to the student who attains the highest standing in the Clinical Pharmacy course.

The Southwestern Drug Scholarship - A scholarship of $300, the gift of Southwestern Drug will be awarded annually to the student who obtains the highest standing in the examinations of first year Pharmaceutical Sciences and is proceeding to the second year.

The Thomas Ward Stanley Memorial Scholarship - The Telecommunications Workers Union offers a scholarship of $500 to sons and daughters of members (with at least twelve months continuous service) or of deceased members (with the same service). It is open in competition to students proceeding in the fall from Grade 12 of secondary school to a full program of studies at The University of British Columbia, University of Victoria, Simon Fraser University, or any accredited regional college in B.C. To be eligible for consideration a candidate must have an overall average of at least 70% in the subjects of the grade in which he or she is registered. Candidates will be considered on the basis of either

APPENDIX 'A'

New Awards recommended to Senate (continued)

standing received by recommendation or in the January or June Departmental Examinations. The winner will be selected by The University of British Columbia, in consultation with the Union, from those who so qualify. In the final selection, a major factor will be the financial circumstances of applicants and their families. Applications must contain details of family service with the Union and other pertinent information. The successful applicant will not be eligible for any other Telecommunications Workers Union Scholarships.

The Vancouver Horticultural Society Bursary - One or more bursaries totalling $750 have been made available by the members of the Vancouver Horticultural Society to assist students who have completed at least one year in the Faculty of Agricultural Sciences and are in the Horticulture option.

The Paul Wisnicki Book Prize - A book prize to the value of $50 will be awarded annually to a second or third year student in the School of Architecture who has completed, with good grades, two or more of the School's current course offerings in the field of building structures and who, in the opinion of the School, has demonstrated thorough work in Architectural design, understanding and imagination in the aspect of architectural form as related to structural demands.

Wednesday, September 13, 1978.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Four-Year Program in Engineering

Prerequisites	1st Year Engineering COURSE	UNITS	2nd Year Engineering
ALG 12, PHYS 12, CHEM 12 — "A" standing	MATH 150	3	Add: APSC 152 (HUMANITIES could be deferred to a later year or taken during a Spring, Summer or Extra Session)
	MATH 151	1½	
	MATH 165	1½	
	PHYS 155	3	
MATH 100/101	PHYS 156	1½	
	PHYS 158	1½	
	CHEM 120	3	
	CHEM 156	1½	
	GEOL 150	2	
	ENGL 100	3	
		21½	

Contact Hours

(18,6½,6)	(18,4½,6)
30½	28½

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

New course COMM 241 (1½) Canadian Transportation

FACULTY OF EDUCATION

Change calendar statement under Academic Preparation of Graduates who wish to become School Teachers to read:-

To enter either of the one-year programs for graduates, a student must have completed a degree at a recognized university, with acceptable standing and content, and in which a minimum of 24 units out of a total of at least 60 are at the senior level.

(a) for the one-year program for graduates (Elementary) - candidates will be considered if they have obtained an average of 65% or higher either in the last two years or in the senior courses of an acceptable major.

(b) for the one-year programs for graduates (Secondary) - candidates will be considered if they have obtained an average of 65% or higher either in the senior courses of an acceptable major or in the senior courses of each of two acceptable academic concentrations.

New course EDUC 339 (1½) Canadian Studies in the School Curriculum

APPENDIX 'B' (continued)

FACULTY OF GRADUATE STUDIES

Combined M.D. and Ph.D. Degree Program

This program is intended for the exceptional student contemplating an academic career in the Biomedical Sciences who is prepared to accept a program which will require a minimum period of 6 years To be eligible, the student must have completed a B.Sc. degree with FIRST CLASS HONOURS (or equivalent), must be selected as a First Year medical student by the Faculty of Medicine, and must be accepted into a Ph.D. program approved by the Faculty of Graduate Studies.

The M.D.-Ph.D. student will be required to be registered as a graduate student for a minimum of 3 (12-month) years. During this period, the student will be permitted to take all the courses required for the completion of First Year Medicine. In addition, the candidate is expected to undertake all the course work and research prescribed by the candidate's Ph.D. committee. Only when this program is substantially complete to the satisfaction of the committee will the candidate be permitted to register in Second Year Medicine. The summer period between Second and Third Year Medicine may be used to defend the Ph.D. thesis if necessary.

Since the course work and the combined program can be expected to be heavy, the student is advised to arrange to begin the program in June rather than in September of the first graduate student year.

A medical student who has a B.Sc. degree with first class honours and who has completed First Year Medicine with high standing is eligible for the M.D.-Ph.D. program. However, a graduate student is not eligible for the combined program until he or she has been selected as a medical student by the Admission Committee of the Faculty of Medicine in the normal way.

Students contemplating application for admission to the Combined M.D.-Ph.D. program should consult the Office of the Dean of Medicine (Admissions) by the Fall preceding the year of desired entry to this program.

Transfer of Students from the Faculty of Graduate Studies to the Faculty of Medicine

Students enrolled in the Faculty of Graduate Studies are advised that only a small proportion of such students ultimately gain admission to the Faculty of Medicine. For this reason, students are discouraged from pursuing this course of action to gain admission to the Faculty of Medicine with advanced standing. Acceptance of such students into the Faculty of Medicine will be made through the existing selection procedures of the Faculty of Medicine as outlined above.

Biochemistry

New course	BIOC 511 (1½)	Topics in Biochemical Regulation

Computer Science

New course	CPSC 514 (1½)	Advanced Computer Graphics
Deletion	CPSC 506 (1½)	Graphic Data Processing

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APPENDIX 'B'

FACULTY OF GRADUATE STUDIES (continued)

Fine Arts

Change in title	FINA 561 (3) now: Studies in the Indigenous Arts of South America
New course	FINA 563 (3) Studies in Central American Art

Hispanic and Italian Studies

Deletion	HISP 580-581 (1½/3) Studies in Latin American History

History

New courses	HIST 582 (6) Seminar in Latin American History HIST 583 (3) Readings in Latin American History

Oceanography

New course	OCGY 504 (1) Organic Chemicals in the Marine Environment

Pharmaceutical Sciences

Change in title	PHAR 548 (1) M.Sc. Seminar (formerly Seminar)
New course	PHAR 648 (1) Seminar for Ph.D. Students

Physical Education and Recreation

Change	PHED 563 - change in description and title (now Anthropometry in Physical Education)

Soil Science

New courses	SOIL 523 (1) Techniques and Methods of Soil Physics Research 524 (1) Instrumentation for Biometeorology 525 (1) Techniques and Methods of Soil Chemistry and Fertility Research 526 (1) Techniques and Methods of Pedological Research

FACULTY OF LAW

New course	LAW 287 (1½) The Lawyer as Counsellor

SCHOOL OF NURSING

Deletion	Diploma program in Nursing to be discontinued effective September 1, 1979

FACULTY OF SCIENCE

Computer Science

New course	414 (1½) Introduction to Computer Graphics

APPENDIX 'B'

FACULTY OF SCIENCE (continued)

Psychology

Change in program requirement:- In both the Major and Honours B.Sc. programs in Psychology change the statement in the fourth year from "Psychology 407 and either 413 or 416" to "Six units from Psychology 407, 413 and 416".

Revised Calendar Statement

Combined B.Sc. and M.D. Degree Program:

Students who have completed the third year in one of the approved degree programs of the Faculty of Science at U.B.C. and the first year in the Faculty of Medicine at U.B.C., and who have completed all the course requirements of the degree program, may be eligible for the appropriate B.Sc. degree. It is necessary that the students meet all of the specific course requirements of the departmental degree program and have the prior approval of the Head of the Department. Students should plan to meet the specific course requirements prior to their entrance into the Faculty of Medicine.

With the approval of the Dean of Science, up to 15 units of course work in the Faculty of Medicine may be recognized for credit towards the B.Sc. degree. Students in the Faculty of Medicine who wish to qualify for the B.Sc. degree, must file a copy of their program in first year of Medicine with the Dean of Science by September 15 of the Winter Session preceding the Fall convocation at which they plan to qualify for the B.Sc. degree.