Wednesday, March 20, 1974.

The Seventh regular meeting of the Senate of The University of British Columbia for the Session 1973-74 was held on Wednesday, March 20, 1974 at 8.00 p.m. in the Board and Senate Room, Administration Building.

Present: President W. H. Gage (Chairman), Dean J. H. M. Andrews, Dean D. V. Bates, Dr. L. L. Bongie, Dr. D. G. Brown, Dr. T. H. Brown, Mr. G. B. Burns, Mr. R. M. Buzza, Mr. C. McK. Campbell, Dr. S. D. Cavers, Dr. R. M. Clark, Mr. C. J. Connaghan, Dr. C. G. David, Dr. J. D. Dennison, Dr. N. Epstein, Mrs. F. Field, Mr. D. B. Fields, Dean W. D. Finn, Dr. C. V. Finnegan, Dr. S. M. Friedman, The Hon. Mr. Justice E. D. Fulton, Mr. G. S. Funt, Dean J. A. F. Gardner, Acting Dean C. C. Gourlay, Dr. R. F. Gray, Mr. J. Guthrie, Dr. D. F. Hardwick, Mr. A. J. Hilliker, Dr. B. Howard, Miss W. J. Hudson, Dr. F. R. C. Johnstone, Dr. J. M. Kennedy, Dean D. T. Kenny, Dr. W. D. Kitts, Dr. R. V. Kubicek, Mrs. W. T. Lane, Mr. T. B. Lindsay, Mr. A. J. Longmore, Dean A. J. McClean, Dr. R. E. McConnell, Dr. C. A. McDowell, Mr. J. A. McEwen, Dr. M. F. McGregor, Dr. D. J. MacDougall, Rev. J. P. Martin, Dr. P. Merivale, Mr. A. M. Moore, Ms. C. M. Moriarty, Mr. P. W. Park, Dr. G. V. Parkinson, Miss E. B. Paul, Mr. G. J. Peet, Dean B. E. Riedel, Dr. I. S. Ross, Mr. J. M. Schoening, Acting Dean J. E. Searcy, Dean M. Shaw, Ms. S. H. M. Smaill, Mr. A. M. Smolensky, Mrs. H. W. Sonthoff, Dr. J. K. Stager, Dr. J. R. Stein, Dr. K. S. Stockholder, Mr. B. Stuart-Stubbs, Mr. G. A. Thom, Dr. M. Uprichard, Dean G. M. Volkoff, Dr. W. A. Webber, Dr. R. L. White, Ms. K. P. Young.

Observers: Mr. J. A. Banham, Dr. J. P. Blaney, Dr. A. D. Scott.

Messages of regret for their inability to attend were received from Chancellor N. T. Nemetz, Mrs. M. F. Angus, Deputy President W. M. Armstrong, Dr. C. B. Bourne, Dr. C. A. Brockley, Dean I. McT. Cowan, Dr. R. Daniells, Ms. B. G. Errington, Dr. J. G. Foulks, Dr. W. C. Gibson, Mr. I. F. Greenwood, Mr. G. H. D. Hobbs, Dr. L. Kraintz, Dean S. W. Leung, Dr. J. M. Norris, Mr. R. F. Osborne, Mr. P. S. Plant, Mr. B. B. Trevino, Mr. F. C. Walden, Mr. D. R. Williams.

Wednesday, March 20, 1974.

Minutes of Previous Meetings

Mr. Gourlay)
Dr. Gray)

That the Minutes of the special meetings of February 4 and February 16, 1974 and the Minutes of the Sixth regular meeting of Senate for the Session 1973-74 having been circulated, be taken as read and adopted.

Carried

Introduction of new Senators

The Chairman welcomed to Senate the following new student members:-

Members-at-large

Mr. G. J. Peet, Ms. K. P. Young (replacing Mr. R. J. Mattiussi and Ms. V. C. Embree)

Commerce and Law representative

Mr. G. S. Funt - replacing Mr. P. A. Insley

Education representative

Miss E. B. Paul - re-elected

Science representative

Ms. C. M. Moriarty - replacing Mr. S. J. Robinson

Business arising from the Minutes

Report of the Librarian 1972-73 (P.6105)

Discussion of the report, which had been circulated for the February 20, 1974 meeting, had been deferred to the March meeting.

The Librarian reported that there had been an increase in the use of the library facilities not only by people in the U.B.C. community but by people from other universities, colleges and schools and members of the public.

Business arising from the Minutes

Report of the Librarian 1972-73 (continued)

It was also noted that the Library had acquired twice as many items in the last ten years as it had in the first half century of its existence. Students at other local institutions were encouraged by their instructors and librarians to use the facilities of the U.B.C. Library to complete their assignments. Working professionals in the health and applied sciences were similarly dependent upon the Library. Acquisition policies at other libraries throughout the province were being formulated on the assumption that easy access to U.B.C.'s collections would always be possible.

The Librarian felt that Senate would share his sense of frustration concerning statements that the University was not fulfilling its responsibility to the community. Criticism was made of budget increases and it was felt that the University must be provided with sufficient funds to enable the Library to provide the service expected of it.

Dr. McGregor stated that the figures presented to the Library Committee by the Librarian were most alarming, in particular with regard to collections, and the acquisition of books and learned journals. Dr. McGregor gave notice of the following motion: -

Business arising from the Minutes

Report of the Librarian 1972-73 (continued)

"That the Senate transmit the following statement to the Board of Governors:-

Because recent budgets have not been adequate to offset inflationary trends in the costs of library operations, particularly in the area of collections, the Library's ability to meet increased demands from both inside and outside the University, now and in the future, is in jeopardy. Continued deterioration of the Library is contrary to the Province's interests, as well as the University's. We therefore urge the Board of Governors to include the needs of the Library in any representations they make to the Government in seeking supplementary appropriations."

Committee on Continuing Education (P.6105)

Notice of motion had been given at the previous meeting.

Dr. Dennison)
Dr. MacDougall) *That Senate establish a standing committee on Continuing Education.*

It was felt that Senate was not as well informed as it should be about the hopes and problems of the Centre for Continuing Education and that such a committee would serve that function.

Attention was drawn to a resolution passed by the Council for the Centre for Continuing Education which stated that such a committee should be set up in order to establish a closer relationship between Senate and the non-credit educational activities conducted by the Centre.

In amendment:

Dean Volkoff)
Dean Kenny) *That Senate establish a standing committee on the non-credit educational activities of the Centre for Continuing Education.*

Business arising from the Minutes

Committee on Continuing Education (P.6105) (continued)

In the following discussion it was agreed that the work of the committee should not be restricted to the non-credit activities of the Centre.

The amendment was lost.

The motion was put and carried.

From the Board of Governors

Notification of approval in principle of Senate recommendations - subject, where applicable, to the proviso that none of the programs be implemented without formal reference to the President and the formal agreement of the President; and that the Deans and Heads concerned with new programs be asked to indicate the space requirements, if any, of such new programs.

(i) Course changes in Anthropology and Sociology, English, Political Science and Psychology, and new courses in German, recommended by the Faculty of Arts. *(P.6110)*

(ii) New courses, course and curriculum changes, recommended by the Faculty of Education. *(P.6111-15)*

(iii) New courses, course and curriculum changes, recommended by the Faculty of Forestry. *(P.6115-16)*

(iv) New courses, course and curriculum changes in Architecture, Botany, Civil Engineering, Education, Electrical Engineering, French, Geography, Geology, German, Health Care and Epidemiology, Home Economics, Linguistics, Mathematics, Mechanical Engineering, Microbiology, Physics, Plant Science, Slavonic Studies and Zoology, recommended by the Faculty of Graduate Studies. *(P.6116-19)*

(v) Course and curriculum changes recommended by the School of Home Economics. *(P.6119)*

(vi) New courses and a course change recommended by the Faculty of Law. *(P.6119)*

From the Board of Governors (continued)

(vii) New courses and course changes recommended by the School of Librarianship. *(P. 6120)*

(viii) Course change recommended by the Faculty of Medicine. *(P. 6094)*

(ix) Curriculum changes recommended by the School of Nursing. *(P. 6120)*

(x) New courses and course changes recommended by the Faculty of Pharmaceutical Sciences. *(P. 6120-21)*

(xi) New courses and course changes recommended by the School of Physical Education and Recreation. *(P. 6121)*

(xii) Course changes recommended by the School of Social Work. *(P. 6121)*

(xiii) New program leading to a Bachelor of Social Work Degree (B.S.W.) *(P. 6095-6 & 6122)*

Committee on Prizes, Scholarships and Bursaries

Mr. Gourlay)
Dean Gardner) *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.*

Criticism was made concerning a scholarship to be awarded to a woman student on the grounds of discrimination.

In amendment:

Mr. Smolensky) *That the award not be accepted.*
Mr. Burns)

Lost

The motion to accept the new awards was put and carried.

Reports of Committees of Senate

Nominating Committee

Dr. Webber presented the report. The committee made the following recommendations:

Committee on Enrolment of Women Undergraduate and Graduate Students

Dr. P. Merivale to replace Mrs. H. W. Sonthoff (See P.6097)

Nominating Committee

Mrs. W. T. Lane to replace The Hon. Mr. Justice E. D. Fulton

Committee on Appeals on Academic Standing

Ms. B. Gene Errington and Dr. R. E. McConnell to replace The Hon. Mr. Justice E. D. Fulton and Mr. D. B. Fields

Committee on The Role and Organization of Senate

Dr. I. S. Ross, Mr. G. A. Thom and Mr. A. M. Smolensky to be added to the membership

Committee on Extracurricular Activities

Miss E. B. Paul to be added to the membership

Dr. Webber)
Mr. Fields) *That the recommendations of the Nominating Committee be approved.*

Carried

Academic Building Needs

Dr. Kennedy presented the report which was concerned with the Academic Building Needs of the University for the five-year period 1975-1980.

Reports of Committees of Senate

Academic Building Needs (continued)

The report dealt with procedures followed by the committee in obtaining submissions on building deficiencies, analyzing these submissions and reaching conclusions about the urgency of various requests.

One section of the report outlined the results of a survey of campus needs and a further section dealt with proposed remedies for various deficiencies.

Sixteen projects involving new construction were ranked in order of urgency. The cost of bringing the campus this much closer to being well housed by 1980 was estimated at about $45,000,000.

The Committee recommended the provision of the following net assignable square feet (NASF) ranked in order of urgency:-

Education 60,000 NASF to look after a shortage of 40,000 NASF and to allow the elimination of 20,000 NASF in huts.

Home Economics 12,000 NASF to relieve a severe shortage in the space available to the School.

Psychology An additional 22,000 NASF for this department, together with some consolidation of its activities.

Soil Science 14,000 NASF of additional space.

Food Science 14,000 NASF of additional space, including 6,000 NASF for a Pilot Food Processing Plant.

Plant Science 9,000 NASF of additional space including space for growth rooms.

Reports of Committees of Senate

Academic Building Needs (continued)

Animal Science 7,000 NASF of additional space.

Poultry Science 5,000 NASF of additional space.

Chemistry and Physics Provision of a new Molecular Sciences Building to alleviate the combined shortage of 56,000 NASF for these two departments.

Forestry Provision of 22,000 NASF to relieve the present overcrowding and to allow graduate enrolment to rise to its natural level after several years of holdbacks because of space limitations.

Mineral Engineering Provision of an additional 5,000 NASF for Mineral Engineering through modification and expansion of the Forward (Metallurgy) Building to provide 17,000 NASF for the department while releasing its present holdings of 12,000 NASF.

Music, Theatre, Fine Arts, Creative Writing Provision of 32,000 NASF in a new building that would be part of the Norman MacKenzie Centre for the Fine Arts. It will provide for the space shortages of the four departments concerned, and allow the Creative Writing Department to vacate its present site in Brock Hall.

Applied Science, 1st and 2nd years Provision of 12,000 NASF, possibly part of the Forward Building, to include teaching laboratories, reading rooms, common rooms, and staff offices for the 1st and 2nd year programs in Engineering. About 6,000 NASF of reading rooms and drafting rooms in the Civil Engineering Building would be released.

Agricultural Sciences - Ancillary Services In addition to the space assigned for Soil, Food, Plant, Animal and Poultry Science, the Faculty had asked for 51,000 NASF for various ancillary units. These include additional greenhouses, a new field house, and buildings for animals and poultry. While recognizing the low quality of existing greenhouses, the committee did not feel an adequate case had been made for the extensive total construction proposed. It appeared that something approaching an Agricultural Research Station was being contemplated and the committee felt a coherent plan of development should be presented and approved before construction began.

Reports of Committees of Senate

Academic Building Needs (continued)

Storage Library Provision of 10,000 NASF for a Storage Library to retain little-used material from the expanding book collections, thus extending by several years the capacity of the present system.

Fine Arts Gallery A joint submission from the four departments in the Fine Arts group proposed a new Fine Arts Gallery of 13,600 NASF to replace the present inadequate gallery in the basement of the Library. It would provide space for the University's permanent collection and for visiting exhibitions. As well as providing students in Fine Arts the chance to study art from the originals instead of from looking at slides, it would be a source of instruction and enjoyment to the whole University and the community.

The following shortages of space are shown by groups whose activities are near the central part of the campus:

Architecture	3,000 NASF
Computer Science	4,000
Mathematics	4,000
Community & Regional Planning	1,000
International Relations	1,000
Westwater Research	3,000
Computing Centre	6,000
	22,000 NASF

The 58,000 NASF being vacated in this region by Civil and Mechanical Engineering, and Anthropology & Sociology is more than adequate to fill these shortages and would allow the release of space in Duke Hall to be used by Continuing Education to meet its present space deficit.

The Committee had not attempted to devise a detailed plan for this reallocation of space and urged that planning take place by the Administration in consultation with all groups involved.

Reports of Committees of Senate

Academic Building Needs (continued)

The shortage of space in Dentistry could be met by an added floor on the Macdonald Building but it was felt that the question of possible expansion of the Dental School should be settled before embarking on construction.

The committee supported the desire of Pharmaceutical Sciences for renovations but did not recommend further construction.

Relief from space shortages in Microbiology appeared to depend on the provision of new facilities for Nursing which would allow Microbiology to expand in the Wesbrook Building.

Botany, Zoology, Animal Resource Ecology and Oceanography would still have serious problems of quality and dispersal after completion of the North Wing of Biological Sciences. However, their remaining buildings were expected to survive until 1980.

Dr. Kennedy)
Dr. McDowell)

That the report of the Committee on Academic Building Needs be forwarded to the President and to the Board of Governors for their consideration and decision and that the full transcript of the debate within Senate also be forwarded to the President and to the Board of Governors for their consideration and action.

Reports of Committees of Senate

Academic Building Needs (continued)

During the discussion of the report Dean Shaw referred to the figures used by the committee in arriving at the space entitlement for the Department of Animal Science. The committee had stated that the present space holdings were 16,000 sq. ft. and the space entitlement was 23,000 sq. ft. thereby arriving at the shortage of 7,000 sq. ft. which the committee had recommended be assigned to the department. However, the Dean pointed out that the 16,000 sq. ft. consisted of 6,000 sq. ft. in the MacMillan Building and 10,000 sq. ft. in ancillary spaces such as the mink barn, the dairy unit and the cattle unit, etc., which could not be used for laboratory work and teaching of the kind that one could do in a proper laboratory setting.

It was stated that since the recommendations covered a five-year period they would be reviewed by the committee during that time and adjustments would be made accordingly.

In reply to a query it was stated that committee members had been asked to take into consideration the importance of proposed new programs in determining the urgency of proposed construction.

After further discussion of the report the motion was put and carried.

The Chairman thanked members of the committee for the excellent report.

Proposals of the Faculties

Faculty of Education

(i) Continuing Education course offerings (See Appendix 'B')

A list of courses to be offered through the Centre for Continuing Education in Intersession 1974 had been circulated for information.

(ii) Student representation (P.6002)

Senate was advised that the Faculty of Education had agreed that there be three student representatives from the School of Physical Education and Recreation on the Faculty of Education; two from the Physical Education Division and one from the Recreation Division.

Faculty of Law

Law School Admissions Test

At its meeting of November 12, 1969 Senate approved the proposal of the Faculty of Law to introduce the Law School Admissions Test. The Faculty were requested, however, to report to Senate on the effectiveness of the Test as a predictor of success in the study of Law when sufficient experience had been obtained on the campus to permit adequate evaluation of the Test.

Dean McClean informed Senate that at a recent meeting the Faculty of Law had passed the following resolution:-

Proposals of the Faculties

Faculty of Law

Law School Admissions Test (continued)

"That since the Law School Admissions Test, when used in conjunction with undergraduate grades, provided the best predictor presently available of law school performance, it should continue to be used as an aid in evaluating applicants and should be retained as a prerequisite for admission to the Faculty of Law."

During a brief debate it was agreed that the use of the Test be continued but that this matter be brought before Senate for further review in three years time.

School of Physical Education and Recreation

Dr. Dennison)
Dr. McGregor) *That the voting membership of the School of Physical Education and Recreation include all Senior Instructors.*

Carried

Faculty of Science

Continuing Education course offerings (See Appendix 'B')

A list of courses to be offered through the Centre for Continuing Education had been circulated for information.

Evening program - Bachelor of Commerce Degree

Professor Gourlay presented a progress report on the development of evening programs for part-time students in the Faculty of Commerce and Business Administration.

Evening program - Bachelor of Commerce Degree (continued)

As well as evening programs of non-credit courses for specific groups in business communities, the Faculty offers a number of courses in the evening which do carry credit towards a degree.

Professor Gourlay reminded Senate that three years ago the Faculty began offering the required courses for the pre-M.B.A. year in the evening. Students coming in on a part-time basis had been extremely highly motivated and the Faculty had not encountered problems with standards.

Because of Senate's action to encourage greater participation in degree programs by part-time students the Faculty of Commerce and Business Administration had decided that beginning in September they would schedule one section of each of the required courses in the First and Second Years of the B.Com. degree program in the evening, with a commitment to expand offerings in subsequent years until they were offering one section of all of the required degree courses in the evening. In this way students who wished could take courses in the evening and part-time students could complete a full set of courses for the Bachelor's degree through evening lectures.

Other Business

The Chairman drew Senate's attention to a report entitled "Parent Co-operative Day Care at UBC" which had been circulated for information. He stated that the report gave a very good statement of what was taking place and had been done with delightful humour.

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APPENDIX 'A'

New Awards Recommended to Senate

Bacon, Donaldson and Associates Scholarship in Metallurgy - This scholarship, in the amount of $500, is provided by Bacon, Donaldson and Associates, to encourage and support students in the study of metallurgical engineering. It may be awarded to a student entering any year of the program in metallurgical engineering. The winner will be chosen on the basis of both academic ability and need, by a committee chaired by the Head of the Department of Metallurgical Engineering. Candidates should make application not later than July 1st to the Department of Metallurgical Engineering, U.B.C.

Bacon, Donaldson & Associates Ltd. Bursaries - Bursaries to a total of $500 will be provided by Bacon, Donaldson & Associates Ltd., to encourage and assist students in the Department of Mineral Engineering. Bursaries will be awarded on the recoommendation of the Department of Mineral Engineering to students who require financial assistance. Application should be made to the Department of Mineral Engineering by the end of September. Those who are assisted are asked to accept a moral obligation to reimburse the fund when they are able to do so.

British Columbia Society of Occupational Therapists Book Prize - This prize is offered by the British Columbia Society of Occupational Therapists to a student in the graduating year for general proficiency in Rehabilitation Medicine.

Canadian Physiotherapy Association (B. C. Branch) Book Prize - This prize is offered by the Canadian Physiotherapy Association (B. C. Branch) for general proficiency in the final year of Rehabilitation Medicine.

Canadian Physiotherapy Association Book Prize - This prize is offered by the Canadian Physiotherapy Association to the student with the highest standing in the final year of Rehabilitation Medicine.

APPENDIX 'A'

New Awards Recommended to Senate (continued)

The Alexander Lorraine Carruthers Scholarship in Engineering - to honour the memory of Alexander Lorraine Carruthers this scholarship has been established by his wife, Winona Orr Carruthers of Victoria, B. C. Alexander Lorraine Carruthers, who died on September 11, 1971 at the age of 92, was truly a pioneer in the development of British Columbia. His name was associated with many projects in the field of engineering. He will be long remembered for his outstanding services as a bridge engineer, chief engineer, and Deputy Minister of Public Works of the Province of British Columbia. This scholarship in the amount of $1,000 will be awarded annually to a deserving undergraduate in Engineering.

David Alexander Clark, M.D., Scholarship - A scholarship of approximately $250, established by a bequest from the late Jessie E. Clark, will be awarded annually to a graduate student in the field of Pediatrics, Faculty of Medicine.

The Jessie Evelyn Drew Clark Memorial Fund Scholarship - A scholarship of $250, established by a bequest from the late Jessie E. Clark, will be awarded to a woman student in the field of International Relations.

The Nathan Cyprus Bursary Fund - This fund, established through a bequest from the late Nathan Cyprus, provides a bursary of approximately $250 annually for deserving students.

The Abraham and Anna Horen Prize - A prize of $50, established by a bequest from the late Anna Horen, will be awarded annually on the recommendation of the Faculty of Medicine to a deserving medical student.

APPENDIX 'A'

New Awards Recommended to Senate (continued)

The Geoff Matthews Memorial Award - A prize established as a tribute to the late Dr. Geoffrey Matthews, Director of the Continuing Education programme in Engineering, will be awarded annually to the individual who, in the opinion of the selection Committee, has made the greatest contribution during the year, to the growth, development, and or promotion of Continuing Education for Engineers in B.C. - with particular reference to activities pertaining to the Diploma in Administration for Engineer Programmes. The award will be presented at the annual Diploma Programme graduation dinner held each spring.

Friends of Dr. J. Lewis Robinson Bursary - This bursary of $100 per annum commemorates 25 years of lectures in Geography by Dr. J. Lewis Robinson. It is offered to a student who is proceeding from the final year of a major in geography to graduate school, and who has financial need.

The Marjorie Ellis Topping Memorial Medal - This medal, established in memory of his wife by Dr. C. Wesley Topping, Professor Emeritus of Sociology, will be awarded to the most outstanding student in the graduating class for the B.S.W. degree. The winner will be determined by the School of Social Work.

APPENDIX 'B'

Courses to be offered through the Centre for Continuing Education

FACULTY OF EDUCATION

(Intersession May-July 1974)

Education 478 (3)	Teaching English as a Second Language
English 311 (3)	Children's Literature

FACULTY OF SCIENCE

(May-July 1974)

Marine Science 411 (3)	Comparative Invertebrate Embryology
Marine Science 420 (3)	Marine Phycology

(September 1974 to April 1975)

Physics 130 (3)	Man's Energy Resources