Wednesday, March 21, 1973.

The Seventh regular meeting of the Senate of The University of British Columbia for the Session 1972-73 was held on Wednesday, March 21, 1973, at 8.00 p.m. in the Board and Senate Room, Administration Building.

Present: President W. H. Gage (Chairman), Mr. D. V. Anderson, Mr. G. E. Andreone, Mrs. M. F. Angus, Miss A. J. Baumgart, Dr. L. L. Bongie, Dr. C. B. Bourne, Dr. D. G. Brown, Dr. T. H. Brown, Mr. R. M. Buzza, Mr. C. McK. Campbell, Dr. S. D. Cavers, Dr. R. M. Clark, Mr. C. J. Connaghan, Dean I. McT. Cowan, Dr. J. D. Dennison, Miss V. C. Embree, Dr. N. Epstein, Mrs. F. Field, Mr. D. B. Fields, Dr. C. V. Finnegan, Dr. J. G. Foulks, Dr. N. C. Franz, The Hon. E. D. Fulton, Dean J. A. F. Gardner, Dr. W. C. Gibson, Dr. R. F. Gray, Mr. J. Guthrie, Dr. N. A. Hall, Dr. D. F. Hardwick, Mr. G. H. D. Hobbs, Mr. P. A. Insley, Dr. F. R. C. Johnstone, Dr. J. M. Kennedy, Dean D. T. Kenny, Dr. W. D. Kitts, Dr. L. Kraintz, Dr. R. V. Kubicek, Mrs. W. T. Lane, Dean S. W. Leung, 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, Mr. J. G. Matkin, Mr. R. J. Mattiussi, Dr. P. Merivale, Mr. J. M. Munsie, Dr. J. M. Norris, Mr. R. F. Osborne, Dr. G. V. Parkinson, Dr. P. H. Pearse, Dr. R. A. Restrepo, Dean B. E. Riedel, Mr. S. J. Robinson, Dr. I. S. Ross, Dean N. V. Scarfe, Mr. J. M. Schoening, Dr. R. F. Sharp, Dean M. Shaw, Mrs. H. W. Sonthoff, Mrs. C. A. Soong, Dr. J. K. Stager, Dr. K. S. Stockholder, Mr. B. Stuart-Stubbs, Mr. D. A. Swain, Mr. G. A. Thom, Mr. B. B. Trevino, Dr. M. Uprichard, Dean G. M. Volkoff, Mr. F. C. Walden, Dr. W. A. Webber, Dean P. H. White, Mr. A. P. York, Dr. W. D. Young.

Observers: Mr. T. A. Myers, Mr. G. R. Selman.

Messages of regret for their inability to attend were received from Chancellor N. T. Nemetz, Deputy President W. M. Armstrong, Dr. R. Daniells, Dean W. D. Finn, Mr. I. F. Greenwood, Dr. B. Howard, Dr. J. Levy, Dean Helen McCrae, Rev. J. P. Martin, Mr. P. S. Plant, Dr. G. Rosenbluth, Dr. R. F. Scagel, Dr. A. D. Scott, Mr. J. T. Sydor, Mr. D. R. Williams.

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Minutes of the Previous Meeting

Dr. Hardwick)
Dean Scarfe)

That the Minutes of the Sixth regular meeting of Senate for the Session 1972-73 having been circulated, be taken as read and adopted.

Carried

Senate Membership

Results of the election of student representatives

The Chairman welcomed new student members: Miss V. C. Embree, Mr. R. J. Mattiussi and Mr. J. M. Schoening (members-at-large replacing Mr. C. D. L. MacKenzie, Mr. S. J. Persky and Mr. A. R. Robbins).

Business arising from the Minutes

Report of the Committee on Appeals on Academic Standing

Senate agreed that the report be dealt with in camera at the end of the meeting.

Report of the Nominating Committee

(i) The Role and Organization of Senate

Dr. Bourne presented the report. At its meeting of February 21, 1973 Senate passed a resolution that a committee be struck to revise and bring up-to-date the document entitled "The Role and Organization of Senate". The Nominating Committee recommended the following membership:-

Dr. C. B. Bourne
Dr. S. D. Cavers
Mr. P. A. Insley
Mrs. W. T. Lane
Dr. C. A. McDowell

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Business arising from the Minutes

Report of the Nominating Committee

(i) The Role and Organization of Senate (continued)

Dr. Norris)
Dean Volkoff) *That Senate approve the recommendations of the Nominating Committee.*

Carried

(ii) Student membership on Senate Committees

The committee recommended the addition of student senators to serve on the following committees:-

Agenda	-	Mr. J. M. Schoening (replacing Mr. A. R. Robbins)
Tributes	-	Miss V. C. Embree (replacing Mr. C. D. L. MacKenzie)
University Library	-	Mr. J. M. Schoening
Five Year Review Procedures	-	Mr. R. J. Mattiussi (replacing Mr. S. J. Persky)
Student Membership in Faculties	-	Miss V. C. Embree (replacing Mr. A. R. Robbins)
	-	Mr. C. D. L. MacKenzie (the committee recommended that Mr. MacKenzie remain on this committee)
Teaching Evaluation	-	Mr. R. J. Mattiussi (replacing Mr. C. D. L. MacKenzie)

Dr. Bourne)
Dr. Norris) *That the recommendations of the Nominating Committee be approved.*

Carried

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Business arising from the Minutes (continued)

Report of the Librarian 1971-72

Dr. McGregor, Chairman of the University Library Committee, presented the report which had been received by Senate at its meeting of February 21, 1973. He stated that certain critical issues facing the Library had become even more critical since the previous meeting and asked Mr. Stuart-Stubbs, the Librarian, to comment.

The Librarian stated that the budget of the library collections was affected by inflation, prices of books and periodicals whether new or out of print, and the revaluation of currencies. The revaluation of currencies which occurred in the Fall of 1971 resulted in the loss of $27,000 in purchasing power and the current changes would probably result in a further reduction of about $50,000. Inflation was also taking its toll. It would take approximately an additional $350,000 to restore the Library to its purchasing position of 1968/69 when it was spending just under one million dollars a year on collections. The administration was only able to provide an operating increase of approximately a half of one percent to the Library this year. Virtually all of the additional money received would be allocated to the collections budget. There would be reallocations within the existing budget but even this would not meet the additional costs.

Other points referred to by the Librarian were the difficulties in shelving the growing collections, increasing requests for reference

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Business arising from the Minutes

Report of the Librarian 1971-72 (continued)

service and the investigation by the Industrial Relations Board of working conditions of the processing staff on the 7th floor of the Main Library.

Following further discussion of the report the opinion was expressed that the administration should make a special effort to meet the needs of the Library which were essential to the future growth of the University.

The Chairman paid tribute to the excellent work of the Librarian and his staff.

Motion by Mr. D. A. Swain

Notice of motion was given at the previous meeting by Mr. Swain.

Mr. Swain) Dr. Dennison)	*That a committee be established to examine Senate's philosophies and objectives vis-a-vis extracurricular activities and to make recommendations regarding the implementation of same.*

Mr. Swain explained that the purpose of the motion was to involve Senate in the non-academic aspects of University activity. He felt that Senate should consider improvements to the quality of University life for students, faculty and staff. There were no criteria to measure the recreational needs for such things as gym space, squash courts and swimming pools. He stated that in athletics alone over 8,000 students were involved in extracurricular activities and that Senate should

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Business arising from the Minutes

Motion by Mr. D. A. Swain (continued)

recognize its responsibility to examine and assess its contribution to the programme.

Following a brief debate 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 programmes be implemented without formal reference to the President and the formal agreement of the President; and that Deans and Heads concerned with new programmes be asked to indicate the space requirements, if any, of such new programmes.

(i) New courses, course and curriculum changes recommended by the Faculty of Applied Science (with the exception of those items not approved by Senate indicated in the Appendix of the Minutes of the Senate meeting of January 24, 1973) in Agricultural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Geological Engineering, Mechanical Engineering, Metallurgy, Mineral Engineering, Mathematics and Engineering Physics. *(P. 5766-7 & 5773-6)*

(ii) New courses, course and curriculum changes, recommended by the Faculty of Arts, in Anthropology and Sociology, Asian Studies, Classics, Creative Writing, Economics, English, Fine Arts, French, Geography, German, Hispanic and Italian Studies, History, Linguistics, Music, Philosophy, Political Science, Psychology, Religious Studies, Slavonic Studies and Women's Studies. *(P. 5759-61 & 5776-83)*

(iii) New courses and revisions in the Librarianship Major (Elementary Division) and in the Librarianship Concentration (Secondary Division) recommended by the Faculty of Education. *(P. 5764, 5784 & 5785-6)*

(iv) Concentration in Earth and Space Science in the Secondary Division of the Faculty of Education. *(P. 5768)*

(v) Concentration in Canadian Studies in the Secondary Division of the Faculty of Education. *(P. 5769)*

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From the Board of Governors (continued)

(vi) New major in Canadian Studies in the Elementary Division of the Faculty of Education. *(P.5769)*

(vii) Health Care and Epidemiology 504, recommended by the Faculty of Graduate Studies. *(P.5639, 5643-4 & 5762)*

(viii) New courses and course changes, and changes concerning Examinations and Advancement, as recommended by the Faculty of Forestry. *(P.5761-2 & 5786-7)*

(ix) New courses and course changes recommended by the Faculty of Graduate Studies in Animal Science, Architecture, Asian Studies, Chemical Engineering, Civil Engineering, Commerce, Community and Regional Planning, Economics, Electrical Engineering, Food Science, Forestry, Geology, Health Care and Epidemiology, Linguistics, Microbiology, Mineral Engineering, Music (with the exception of Music 508, 544, 545, 546, 547, 548 and 562), Pathology, Pharmacology, Pharmaceutical Sciences, Physics, Plant Science, Poultry Science, Religious Studies and Soil Science. *(P.5762-3 & 5787-91)*

(x) Course changes recommended by the Faculty of Law. *(P.5761 & 5791)*

(xi) Departmental status for Medical Genetics recommended by the Faculty of Medicine. *(P.5767-8)*

(xii) Change in scheduling of Clinical Clerkship recommended by the Faculty of Medicine. *(P.5770)*

(xiii) New courses, course and curriculum changes, recommended by the Faculty of Science, in Botany, Chemistry, Computer Science, Geography, Geological Sciences, Geophysics and Astronomy, Mathematics, Physics and Zoology. *(P.5764-5 & 5791-4)*

Committee on Prizes, Scholarships and Bursaries

Dean Scarfe)
Mr. Andreone)

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

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Reports of Committees of Senate

Curriculum Committee

Dr. Norris presented the report on items referred to the committee since the last meeting.

Faculty of Commerce and Business Administration

Category B items are listed in Appendix 'B' for information.

Faculty of Graduate Studies (See Appendix 'B')

Dr. Norris)
Dr. Webber)

That the proposal of the Faculty of Graduate Studies to offer two new courses, Civil Engineering 527 and Physiology 548, be approved.

Carried

At the January 24, 1973 meeting of Senate Economics 422 Mathematics for Economists was approved but a query was raised concerning the numbering of this course. The Chairman reported that although this was not really an appropriate course for graduate students it had been agreed to offer a course at the 400 level in order to provide necessary preparation for graduate students who might be deficient in this essential grounding for study at a more advanced level.

Interdisciplinary courses and programmes

Notice of motion had been received by the Agenda Committee.

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Interdisciplinary courses and programmes (continued)

Dr. Stockholder)
Dr. Ross)

That Senate appoint a committee to prepare the ground for establishing a single organization designed to co-ordinate existing interdisciplinary courses and programmes, to facilitate further development of interdisciplinary studies, and to formulate the intellectual principles and goals that may arise from such studies.

It was explained that the intent of the motion was to look into the provision of a place on campus where people interested in interdisciplinary studies could share ideas and help facilitate new undergraduate programmes. It was envisaged that the proposed committee would look into arrangements at other universities and explore the aspects of an appropriate framework whereby these programmes could flourish at this University.

It was felt that the term used in the motion "establishing a single organization" implied an answer before the committee had examined the proposal. Senate agreed to accept the following alternative wording:-

"That Senate appoint a committee to consider:-

1. The co-ordination of existing interdisciplinary undergraduate courses and programmes;

2. the means of facilitating further development of interdisciplinary studies; and

3. the formulation of intellectual principles and goals that may arise from such studies.

In the following discussion it was pointed out that interdisciplinary studies already existed in many areas of the University. In reply to a

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Interdisciplinary courses and programmes (continued)

query it was confirmed that it was not the intent of the motion to change any existing arrangements. It was further confirmed that the proposed committee was being instructed to study the desirability of establishing an organization.

Following further discussion the revised motion was put and carried.

Student Membership in Faculties

A letter from the Head of the Department of Philosophy concerning the interim report of the Senate Committee on Student Membership in Faculties had been circulated for information.

Dr. D. G. Brown gave notice of the following motion:-

> *"That the Senate ad hoc Committee on Student Membership in Faculties be asked, when it brings its detailed recommendations forward to Senate, to support those recommendations with a reasoned defence which addresses itself to principles of university government; that Senate refer those recommendations to each of the bodies affected by them; and that notwithstanding the wording of the recent Senate resolution, it be made clear to those bodies that they will be free at that time to return to Senate any recommendation they see fit on matters of principle as well as detail."*

The Chairman of the Committee on Student Membership in Faculties stated that the committee would be submitting a report at the April meeting.

Degree programmes for part-time students

As a result of the discussion of the report of the Senate Committee on Degree Programmes for part-time students at the March 22, 1972 Senate meeting, Deans and Directors of Schools were requested to report to Senate

Degree programmes for part-time students (continued)

not later than March 1, 1973 on the academic and financial feasibility of part-time study toward degrees.

Since all Faculties had not yet responded to this request the Agenda Committee recommended that discussion be postponed until the May 23, 1973 meeting of Senate.

Concern was expressed at the delay in the responses of the Faculties and it was agreed that each Faculty should submit its comments to Senate not later than the May meeting.

Other Business

Courses by newspaper

Dr. Clark referred to a letter received from the editor of "The Province" outlining a project to offer courses by newspaper. Copies of the proposal had been forwarded to the Senate Curriculum Committee and it was hoped that this could be discussed at the April meeting of Senate.

Notice of motion by Mr. P. A. Insley

Mr. Insley gave notice of the following motion:-

> *"That Senate henceforth require that professional Faculties and Schools involving post baccalaureate programmes such as Law, Medicine, Architecture and Dentistry, send their criteria for admissions to the Senate Admissions Committee before or at least concurrently when selections are being made for the next Academic Year. The documents to be sent to the Admissions Committee shall include at least the average age of the applicant, the total number of applicants, the sex of the applicant, and the average age, number and sex of the applicants accepted."*

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APPENDIX 'A'

New awards recommended to Senate

The Himmy Jang Scholarship in Electrical Engineering - This scholarship of $250, the gift of Himmy Jang, President of Bowtek Electric Company Limited, Vancouver, will be given annually to a student proceeding to the Fourth Year of Electrical Engineering with an outstanding record in solid state electronics. The award will be made on the recommendation of the Department.

The Ukrainian National Federation in B.C. and the Ukrainian Women Organization Scholarship - This scholarship of $100 will be awarded for study in the session 1973-74 to a student who, in the opinion of the Department of Slavonic Studies, has shown excellent progress in the study of the Ukrainian language.

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APPENDIX 'B'

Course and Curriculum Proposals

A = new courses or substantial changes
B = minor changes (approved unless otherwise indicated)

FACULTY OF COMMERCE AND BUSINESS ADMINSTRATION

B	Changes	Change in name of Option 8 of the B.Com. degree programme from Organizational Behaviour and Industrial Relations Option to Industrial Relations Management Option.
B	Change	Commerce 425 (3) Management of Human Resources Split into two 1½ unit courses, now:- Commerce 425 (1½) Organizational Training and Career Development Commerce 426 (1½) Organizational Development
B	Change	Commerce 354 (1½) Cost Accounting Systems, and Commerce 454 (3) Planning and Control Systems Replaced by the following three 1½ unit courses:- Commerce 357 (1½) Cost Accounting Systems Part A Commerce 358 (1½) Cost Accounting Systems Part B Commerce 454 (1½) Planning and Control systems

FACULTY OF GRADUATE STUDIES

Civil Engineering

A	New course	Civil Engineering 527 (1½) Experimental Analysis of Structures

Education

B	Change	Education 502 - change in description

Physiology

A	New course	Physiology 548 (1-3) Advanced Topics in Human Physiology

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APPENDIX 'B'

Course and Curriculum Proposals

FACULTY OF GRADUATE STUDIES (continued)

Slavonic Studies

B	Changes in number	Russian 520 now Russian 509 Russian 501 now Russian 510 Russian 510 now Russian 546 Russian 533 now Russian 530 Russian 532 now Russian 531 Russian 530 now Russian 532 Russian 534 now Russian 533 Russian 540/544 now Russian 535/539
B	Changes in number and unit value	Russian 503, 504, 505, 506 (1½), now:- Russian 515-518 (1½-3)
B	Change in unit value	Polish 545 (3), now (1½-3)
B	Deletions	Slavonic Studies 504, 505, 549