The third regular meeting of the Senate of the University of British Columbia for the Session 1966-67 was held on Wednesday, February 15, 1967 at 8.00 p.m. in the Board and Senate Room, Administration Building.

Present: Dean W.H. Gage (Chairman), Dean W.M. Armstrong, Dr. C.S. Belshaw, Mr. R.M. Bibbs, Mr. C.B. Bourne, Mr. D.M. Brousson, Mr. F.J. Cairnie, Mr. C.M. Campbell, Dr. J.D. Chapman, Dr. R.M. Clark, Dr. D.H. Copp, Dean I. McTaggart-Cowan, Dean B.C. Eagles, Dr. W.D. Finn, Mr. D.A. Freeman, Dr. S.M. Friedman, Dean J.A.F. Gardner, Dr. W.C. Gibson, The Hon. Howard C. Green, Dr. N.A. Hall, Dean D.M. Healy, Mr. V.J. Housez, Dr. J.A. Jacobs, Mr. J.S. Keate, Dr. H.L. Keenleyside, Dr. D.T. Kenny, Rev. E.C. Lebel, Mr. S. Lefeaux, Mr. K.M. Lysyk, Dean Helen McCrae, Dean J.F. McCreary, Mr. Justice J.A. Macdonald, Dr. J.R. McIntosh, Mrs. H.J. MacKay, Mr. D.F. Miller, Mr. John R. Meredith, Dr. F.A. Morrison, Dr. J.M. Norris, Dean V.J. Okulitch, Dr. A.J. Renney, Mr. J.V. Rogers, Dr. G. Rosenbluth, Dean N.V. Scarfe, Dr. A.D. Scott, Dr. J.H.G. Smith, Dr. M.W. Steinberg, Dr. R.W. Stewart, Rev. W.S. Taylor, Dr. H.V. Warren, Dr. W.A. Webber, Dean P.H. White, Mr. D.F. Williams, Dr. S.H. Zbarsky.

Visitors: Mr. G.R. Selman, Mr. J. Banham, Dr. Erich W. Vogt, Dr. John B. Warren, Miss H.E. Mallory, Mrs. C. Earle.

Messages of regret for their inability to attend were received from Chancellor J.M. Buchanan, President J.B. Macdonald, Dr. M. Bloom, Mr. F.K. Bowers, Mr. W.T. Brown, Dean G.F. Curtis, Mr. J. Guthrie, Dr. W.S. Hoar, Dean S.W. Leung, Mr. D.F. Manders, Dr. G.J. Parfitt, Dr. R.F. Sharp, Mr. Douglas Sutcliffe, Dr. G.H.N. Towers, Mrs. B.E. Wales.

Minutes of Previous Meeting

Dean Scarfe)
Dean Armstrong) That the minutes of the second regular meeting of Senate for the Session 1966-67 having been circulated, be taken as read and adopted.

Carried

Senate Membership

The Chairman introduced Mr. John R. Meredith, who had been appointed to Senate by the Lt. Governor in Council replacing Dr. J.F.K. English. The Chairman also introduced to members of Senate Mrs. Clare Earle, recently appointed Administrative Assistant to the President, who attended the meeting as an observer.

Business Arising from the Minutes of the Previous Meeting

1. Faculty proposals on new courses, etc. referred to the Curriculum Committee (see report of the Curriculum Committee of Senate, Page 3706 to Page 3710).

2. Possibility of Student Membership on Senate - The Chairman drew members' attention to the report of the Senate Executive Committee which recommended that, following submission of the report of the Senate Committee on Role and Organization of Senate, this same Committee or a new Committee be charged with consideration of the question of student membership on Senate.

   Dr. Stewart felt that this matter should be discussed as quickly as possible in order that the Senate's views on the subject might be prepared before the student body approached the Senate with a formal application for membership.

   Dean Cowan)
   Dean Okulitch) That the recommendations of the Senate Executive Committee be approved with the amendment that the matter be discussed as quickly as possible.

   Carried

Notification of Approval by the Board of Governors of Senate Recommendations

1. Colours in the Hood for the Bachelor of Science in Rehabilitation degree.

2. The Programme Arts I in the Faculty of Arts.

3. The regulation that Science students be allowed to count fifteen units of courses offered by the Faculty of Medicine for credit towards a Bachelor of Science Degree.

4. The combined programme in the Faculty of Science and the Faculties of Medicine and Dentistry.

In connection with the last item, the Registrar explained that there had been some misunderstanding. The number of students that this would involve would be greater than had been explained to Senate. However, the Executive Committee had reviewed the question and supported the extension of the combined programme of studies to the somewhat greater number of students.

Reports of Senate Committees

Senate Executive Committee

The Senate Executive Committee had dealt with a number of items on the Agenda and their recommendations had been attached to the relevant papers.

Curriculum Committee

The Chairman explained the circumstances of the report in that the Curriculum Committee had been asked to consider the proposals of the Faculties and that Senate would approve the courses subject to any criticisms from the Curriculum Committee. (For Faculty proposals see Appendix A)

The Chairman pointed out that the Senate Executive Committee could not agree with the recommendation of the Curriculum Committee concerning the elimination from the calendar of the underlined portion of the following statement:

> "The Faculty will recommend to Senate the granting of the D.M.D. degree to a student who has completed satisfactorily the academic requirements and who, in addition, <u>is considered by the Faculty to be a suitable person to practise Dentistry.</u>"

The Curriculum Committee had recommended that this statement be deleted from the Calendar both for Dentistry and Medicine.

Dean McCreary explained that the clause had been inserted some years ago following an unfortunate situation in which a Final Year medical student began exhibiting signs of psychiatric illness. He was convinced of the necessity of a protective clause but felt that no further statement was necessary beyond that given in another regulation that he quoted, Page Q29 of the 1966-67 Calendar:

"Advancement

7. Although satisfactory academic performance is prerequisite to advancement it is not the sole criterion in the consideration of the suitability of a student for promotion or graduation. The Faculty reserves the right to require a student to withdraw from the Faculty if he is considered to be unsuited to proceed with the study or practice of medicine."

The statement in dispute was considered to be inflammatory by several members who participated in the discussion.

Dr. Copp) Dr. Gibson)	That the statement in question be amended to read "... who is recommended by the Faculty to be a suitable person to practise ...", in place of "... is considered by the Faculty ...".

Considerable discussion followed as to the University's responsibility in the granting of degrees leading to the professions. Strong arguments were presented for leaving the responsibility of the licensing of suitable professionals to the

Governing Bodies of the professions and having the University devote its efforts solely to the academic problems of professional education. It was pointed out by members of the Faculty of Medicine that the Faculty was morally obliged to select and train students suitable to practise medicine and that this process began with the work of the Admissions Committee. Fears were expressed that the licensing agencies would find it difficult to refuse certification to a student who was, by all evidence, fully trained by the University.

Senate was assured that it would receive a full explanation of every case in which a student reached the end of his graduating year and was denied a degree for reasons other than his academic ability.

The motion was then carried.

Dr. Friedman) Dr. Norris)	That a special committee be struck to investigate the possibility of finding a more adequate academic solution to the problem of the professional responsibility of granting professional degrees, especially in Medicine and Dentistry where the Governing Bodies apparently did not provide adequate protection.

Carried

School of Home Economics

Dr. Zbarsky pointed out that the School of Home Economics, in the revised programme in Foods and Nutrition in the Second and Third Years required a student to take compulsory courses

(Foods 201 and Advanced Nutrition 305) concurrently with prerequisite courses (Chemistry 230 and Biochemistry 410). The Curriculum Committee had reported that it was not likely to be a serious problem with Foods 201 and Chemistry 230, but for a student to be required to take Advanced Nutrition 305 and Biochemistry 410 concurrently would possibly be unreasonable. However, the revised programme would take effect over a number of years and thus there was time for discussions between the School of Home Economics and the Department of Biochemistry to overcome the difficulty.

The Chairman suggested that the Curriculum Committee refer this problem to the new Director of the School on his arrival.

Agricultural Economics

Dr. Belshaw suggested that the new course Agricultural Economics 340 which the Faculty of Agriculture had entitled "Rural Development" be renamed "Economics of Rural Development".

The Chairman asked Dean Eagles if he felt there would be any objection from his Faculty and in view of his negative reply the Committee agreed to the alteration.

Mr. Bibbs proposed a vote of thanks to the Curriculum Committee and referred members to the third and fourth paragraphs of the report:

> "The work of the Committee was hampered by the limited time available and by the practice of some Departments and Faculties of bringing forward extensive course revisions

"without adequate explanation of the reasons for the changes. Further difficulties were encountered in some areas by a lack of adequate inter-faculty consultation and collaboration on course proposals of an interdisciplinary nature. In effect, much of the Committee's time was spent seeking explanations and arranging for consultation between interested departments, much of which should take place at an earlier stage in curriculum development.

"The Committee is also concerned over the lack of meaningful procedures available to Senate for evaluating course proposals, particularly in those situations where inter-faculty consultation does not resolve the matter in question. It should be possible to develop general guidelines to improve Senate's effectiveness in dealing with matters of curriculum development and we hope to prepare a report for presentation to Senate at a later date."

The Chairman expressed appreciation of the excellent report on behalf of Senate. He asked Dr. Hall if the Committee could present the further report it was preparing to the Committee on Role and Organization of Senate prior to its meeting on Wednesday, 22nd February, 1967.

Dr. Smith)
Mr. Lysyk) That the report of the Curriculum Committee be adopted with the amendment concerning the safeguard clause for the issuing of the M.D. and D.M.D. degrees.

Carried

Committee on Prizes, Scholarships and Bursaries

The Chairman drew attention to the Killam Scholarships and reported that there was no definite information available on the amount to be provided for this year.

The Senate Executive Committee had recommended approval of the new awards as shown in Appendix B.

Mr. Miller)
Dr. Scott)

That these new awards be accepted, subject to the approval of the Board of Governors and that letters of thanks be sent to the donors.

Carried

List No. 9 of awards of fellowships, scholarships, etc. was circulated at the meeting.

New Programmes Committee

New Programme in Astronomy

The Senate Executive Committee had recommended approval of the expansion of studies in Astronomy with serious consideration to the argument of the New Programmes Committee that there be no impediment to the acceptance at the graduate level of competent scholars who were graduates in other disciplines from the University of British Columbia or other universities.

Professor Bourne presented the New Programmes Committee's report,

Mr. Bourne)
Dr. Norris)

That the report of the New Programmes Committee recommending the establishment of the New Programme in Astronomy in the Faculty of Science be accepted and that the development and accomplishments in the field of astronomy at the University of British Columbia be reviewed by Senate in three years' time.

Carried

Mr. Meredith asked whether or not this type of proposal had been discussed with other universities. He had heard that there were similar developments at the University of Victoria and felt that there may be a possibility of unnecessary duplication.

Dean Okulitch replied that there had been no official discussions with Victoria but that his understanding was that Dean Wood had indicated that the University of Victoria did not propose to develop astronomy further than the present offerings in Descriptive Astronomy.

Proposed Master of Applied Science Degree in Agricultural Engineering

Professor Bourne presented the report of the New Programmes Committee recommending the approval of the proposal.

Mr. Bourne) Dean Cowan)	That the report of the New Programmes Committee be approved, recommending programmes of study leading to the degree of Master of Applied Science.

Carried

Religious Studies - Proposed M.A. Programme of Studies

Professor Bourne informed Senate that the New Programmes Committee was still considering the proposal.

Mr. Bourne) Dean Cowan)	That the report of the New Programmes Committee be accepted.

Carried

Honorary Degrees Committee

Dean McCreary presented the report of the Honorary Degrees Committee.

Following the authorization by Senate at the December meeting, invitations had been extended to the eight persons nominated for honorary degrees. Four had accepted and four had declined the invitation.

Those accepting were:

Dr. Loren Gorey Eiseley
Dr. Roger Gaudry
Dr. Henry C. Gunning
Dr. Hugh MacLennan

The Committee recommended that invitations be extended to the following persons to receive degrees at the Spring Congregation 1967:

Dr. Leon J. Ladner
President John B. Macdonald
The Honourable J. O. Wilson

The Honorary Degrees Committee had recommended that honorary degrees should be presented to the outsiders on the first day of Congregation, the B.C. residents on the second day and that President Macdonald should be the sole candiate on the final day.

Dean McCreary)
Dean Cowan) That the report of the Honorary Degrees Committee be approved.

Carried

Recommendations from the Faculties

Faculty of Arts

(a) Geography 405 in Mexico

Dr. Chapman assured Senate that there would be other courses offered on campus and that the Senate Executive Committee's requirement that the same course or acceptable alternatives be available on campus in the Summer Session for those students who could not afford the additional expenses of the trip to Mexico, would be met.

Dr. Chapman stated that he had been assured that the Extension Department had been consulted regarding liability for injuries sustained by students while taking the course and of other financial implications of the venture which the Senate Executive Committee had queried. The Extension Department were dealing with this in the normal way.

Dr. Chapman)
Dr. Clark)

That the proposal of the Faculty of Arts to offer a Geography course in the field during the summer of 1968 be approved.

Carried

(b) Extra-Sessional Courses, May - August

The Registrar explained that these courses would be given in the evening over an extended period from May until August.

Dean Scarfe asked if the courses were proposed to start immediately and if the proposal had been discussed with the Summer Session Committee. He was told that it had been discussed with the Director of Summer Session and that the courses were to begin in May, 1967. Dean Scarfe felt that the courses if offered would have an adverse effect on Summer Session courses for which commitments had already been made. He also pointed out that the Faculty of Education had not been consulted.

Dr. Norris felt that Dean Scarfe's alarm concerning the Summer Session was unfounded since so many of the courses were extremely overloaded. He suggested that the proposal might prove to be beneficial in reducing the sizes of classes in the Summer Session.

The Chairman suggested that Senate give its approval to this proposal but that the Summer Session Director and the Director of Extension be asked to look into the problems that might arise. It was so agreed.

(c) Psychology 206 by Correspondence

The Senate Executive Committee had recommended approval of the proposal to offer this course by correspondence through the Department of University Extension. Senate concurred.

Faculty of Dentistry

Proposed Hood for the D.M.D. Degree

The proposal that the hood for the D.M.D. degree have lilac edging and red lining with a chevron of University blue and gold, and that it be the same size and shape as the hood for the M.D. degree was approved. A sample hood was displayed for the benefit of Senate Members.

Faculty of Graduate Studies

Triumf Project

The Chairman drew Senate's attention to the recommendation of the Senate Executive Committee which had urged Senate to give careful consideration to the recommendation of the Faculty of Graduate Studies that procedures be established by Senate and the Board of Governors to study the priorities of academic projects.

The Chairman then introduced Dr. Vogt and Dr. Warren who had kindly agreed to attend the meeting and give Senate information on the Triumf project.

Questions were raised concerning the source of the money that would be required to initiate and carry the project. Concern was felt that the request of Four Million Dollars for a building, if granted by the Provincial Government, would adversely influence the granting of other funds for University buildings.

Although the operating expenses were to be met by the Atomic Energy Board there was apprehension among Senate members that a drain on University resources would be inevitable.

Dean Cowan explained the feeling of the members of the Faculty of Graduate Studies that led to the motion:

> "That the Faculty of Graduate Studies request the Senate to confer with the Board of Governors in setting up a mechanism for determining priorities for buildings and major academic projects such as TRIUMF, the Health Sciences Centre, major institutes, etc."

He expressed the concern of Faculty that there was no clear channel for the establishment of priorities as among worthy academic projects.

Dr. Clark urged that Senate have the opportunity to debate the priorities of proposed new academic endeavours. To this end Senate should be supplied with full details of each project including an indication of the financial implications. Only then could Senate with any degree of confidence make a recommendation to the Board of Governors.

Dr. Belshaw argued that projects of a research character that would derive a substantial budget from University sources over a period of time might well be referred by Senate to the New Programmes Committee for review. He considered it could be

valuable if matters concerning priorities for buildings or new programmes of research, or teaching, were referred by both Board and Senate to the New Programmes Committee in order that full consideration could be given to both the financial and academic implications. He also suggested that projects such as "TRIUMF" that were initially submitted to the Board of Governors should be referred for evaluation to Senate before action was taken on them.

It was the view of Dean Armstrong that the "TRIUMF" project could have been referred initially to the President's Science Committee for study and report to both Senate and the Board.

After further discussion,

Dr. Norris) Dean Cowan)	That the resolution of the Faculty of Graduate Studies be accepted and referred for study to the Committee on Role and Organization of Senate and that it also be forwarded to the Board of Governors.

Carried

The Chairman asked all those who had opinions on the matter to submit their comments to him in writing as soon as possible for the guidance of the Committee.

Proposal for a change in title and orientation of the Institute of Earth and Planetary Sciences

Dean Cowan)
Dean Okulitch) That the proposal of the Faculty of Graduate Studies to change the name of the Institute of Earth Sciences to "The Institute of Earth and Planetary Sciences" and the proposed amended calendar statement be approved.

In a brief discussion Dr. Jacobs explained that the Institute could not attempt to cover all aspects of "earth sciences" at the present time and would undoubtedly be expanding the studies as the interest of the Faculty directed.

The motion was then carried.

Faculty of Science

Calendar Change - additions and deletions to the list of courses approved from other Faculties:

Delete	Forestry 450, 318	
Add	Forestry 150	(2)
	Forestry 250	(1)
	Forestry 350	(2)
	Forestry 351	(3)
	Forestry 352	(1 1/2)
	Forestry 418	(1 1/2)
	Forestry 466	(2)

Dean Okulitch)
Dean Gardner) That the additions and deletions of courses from Forestry recommended for Science students be approved.

Carried

Miscellaneous Reports

"A Revised Organization of Continuing Education"

Dean Cowan) Dr. Webber)	That, as recommended by the Senate Executive Committee, the opinions of the Faculties be referred to the Director of the Department of University Extension for further consideration and report to Senate.

Carried

Recommendation concerning the formation of a "Faculty of Nursing and Related Health Sciences"

Dean Armstrong spoke in favour of the proposal, stating that Nursing and Rehabilitation Medicine would have about 350 students and 31 staff members, and in terms of students it would be the largest group in the Health Sciences Section which he felt justified faculty status.

Dr. Clark) Dr. Belshaw)	That the matter be referred back to the New Programmes Committee for specific recommendation; that it also be referred to the administration of the University, and that further documentation be requested.

In speaking to the motion, Dr. Clark expressed concern about the proposal since he believed that the group of 27 teaching staff, only 10 of whom were of professorial rank, was too small to justify the creation of a faculty. He expressed the fear that similar groups might likewise become faculties and make the present relationship between the Deans and the President untenable.

Dean McCreary argued against any delay in the formation of the new faculty, because of the urgency to make a decision in view of the impending retirement of the present Director of Nursing and the necessity of presenting to any prospective replacement a clear picture of our administrative structure. Similar arrangements were in effect in the University of Washington, in Dalhousie University and in the University of Kentucky.

In further discussion it became clear that there was no definite commitment to include Rehabilitation Medicine in the proposed new faculty. Moreover, the New Programmes Committee had previously urged a delay in changing the status of the School of Nursing until the administrative structure of the Health Sciences Centre had been defined.

The motion was passed with the addition of a request to the Senior Administration that there be a clarification of the University's intentions in the administration of the Health Sciences Centre.

Release of Results

The Deans recommended that the Dean of a Faculty be permitted to release information on students' standings at the end of a Winter Session as soon as the final Faculty adjudication of results had been completed. The purpose of the recommendation

was to give early notice of graduation to those students who began an interneship or a period of articling immediately following the end of their Final Year. It would also permit release of information on supplemental standing for a student who might be leaving early in May for a remote area for Summer work.

The Chairman pointed out that the Executive Committee had recommended that appended to any early release of graduation results there should be the statement "subject to Senate approval".

In the discussion Dr. Scott pointed out that acceptance of the recommendation would not require any Faculty to change from the present system but would permit those professional Faculties to meet a specific need where one existed.

It was agreed that the recommendation be accepted.

Report of the Registrar

(a) Registration 1966-67 - received for information.

(b) Distribution of marks in courses offered 1965-66 - received for information.

(c) Figures on transfer students from other B.C. Universities and Colleges. The Registrar drew attention to the number of students from Simon Fraser University and from other institutions that had transferred to the University of British Columbia in September 1966.

The meeting adjourned at 10.30 p.m.

The next meeting will be held on Wednesday, 24th May, 1967.

Secretary

Confirmed,

Chairman

APPENDIX A

NEW COURSES AND CURRICULUM CHANGES

FACULTY OF AGRICULTURE

General

1. "Occupational" Course - retitled "Diploma" Course.

2. Requirements for B.S.A. Degree revised.

Agricultural Economics

New Courses	320 (1 1/2)		Agriculture Business Management.
	340 (1 1/2)		Economics of Rural Development.
	420 (1 1/2)		Operations Research for Agricultural Management.
Changes	200	-	description revised.
	401	-	divided into two courses:
			406 (1 1/2) Agricultural Market Organization.
			407 (1 1/2) Agricultural Market Prices.
	405	-	renumbered 423.

Agricultural Mechanics

Changes	404	-	divided into two courses:
			414 (1 1/2) Agricultural Buildings.
			415 (1 1/2) Environmental Controls in Agricultural Buildings.
	408	-	Number changed to 423.
Deletion	403		

Animal Science

Changes	301	-	title and description changed.
	406	-	description changed.

Poultry Science

Changes	306	-	title changed.
			changed from spring to fall term.
	406	-	changed from spring to fall term.
	523	-	change of prerequisite.

Soil Science

New Course	418 (1 1/2)	Methods of Soil Analysis.

Changes	311	-	description changed.
	313	-	description changed.
	314	-	title and description changed.

FACULTY OF APPLIED SCIENCE

New Courses - Undergraduate (starting September, 1967)

Applied Science 281 - Fluid Mechanics
Chemistry 253 (1) - Organic Chemistry
Chemistry 257 - Physical Chemistry
Computer Science 350 - Programming of Numerical Algorithms
Mineral Engineering 458 - Rock Fragmentation

Course Changes - Undergraduate

Chemical Engineering 250 - title changed and hours increased.
Chemical Engineering 452 - changed to 356 (September 1968).
Chemical Engineering 470 - unit value changed.

Civil Engineering 350 and 450 - combined to form revised course.
  Civil Engineering 450 - Engineering Surveys (May 1968).
Civil Engineering 398 - deleted. Replaced by:
  Civil Engineering 498 - Engineering Report
Civil Engineering 451 - to be divided into two courses:
  Civil Engineering 451 - Control Surveys I.
  Civil Engineering 452 - Control Surveys II.
Civil Engineering 452 (Diploma course) - number changed to 454.
Civil Engineering 460 - to be replaced by two courses:
  Civil Engineering 460 - Structural Steel Design
  Civil Engineering 461 - Reinforced Concrete Design
Civil Engineering 472 - hours and description changed.

Electrical Engineering 251 - hours changed.

Mechanical Engineering 372 - hours changed.
Mechanical Engineering 381 - description changed.
Mechanical Engineering 398 - description changed.
Mechanical Engineering 475 - description changed.
Mechanical Engineering 498 - description changed.

Minor Curriculum Changes authorized in:

Agricultural Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Geological Engineering
Mechanical Engineering
Metallurgy
Mineral Engineering
Engineering Physics
Changes in Essay and Report Regulations

SCHOOL OF ARCHITECTURE

Civil Engineering 271 to be replaced by Architecture 412 (1) Materials of Building.
Architecture 453 to be discontinued and replaced by Commerce 307 (1 1/2) Urban Land Markets.
Statement on prerequisites for admission revised.

FACULTY OF ARTS

New Courses

Asian Studies 305 Introductory Sanskrit
Asian Studies 340 History of Indian Civilization to 1526
Asian Studies 342 Readings in Asian Literature or Pre-modern History

Creative Writing 447 Directed Reading

Economics 352 The International Economy
Economics 381 Industrial Organization
Economics 401 Applied Economics
Economics 458 Monetary Policy
Economics 460 Government Finance
Economics 480 Themes in Western Economic History
Economics 490 Problems and Methodology in Economic History

English 300 Seminar for Majors

French 308 Introduction to the History of the French Language
French 400 A Survey of French Literature
French 401 Honours Seminar

Geography 493 Geography of Southern Asia

German 339 Honours Tutorial
German 439 Honours Seminar

Spanish 320 Intensive Spanish

History 425 War and Society in Modern Times

Political Science 309 Quantitative Methods in Political Science
Political Science 405 British Government
Political Science 413 South Asian Governments and Politics
Political Science 416 French Government
Political Science 440 Democracy in a changing world
Political Science 441 Honours Seminar

Psychology 411 Introduction to Mathematical Psychology
Psychology 440 Directed Studies in Psychology

Russian 110 Intensive Russian
Russian 210 Intensive Russian
Russian 310 Intensive Russian
Russian 301 Third Year Russian
Russian 331 Introduction to Russian Prose
Russian 430 Russian Poetry from Pushkin to the end of the 19th Century
Russian 449 Honours Essay

Sociology 330 Population change and its socio-economic implication

Theatre 333 Introduction to film production
Theatre 340 History of the Oriental Theatre

Course Changes

Asian Studies - 100 and 101 - both increased from 4 1/2 to 6 units.
215 - title changed to Introduction to South Asia.
320 - title changed to History of Chinese Civilization, content revised.
330 - title changed to History of Japanese Civilization, content revised.
310, 410, 422, 423 transferred respectively to History 309, 410, 422, 424.

Economics - 307 changed to 385 (1 1/2) Land Economics
309 changed to 409
314 changed to 484 (1 1/2) Transportation
405 changed to 404

306 divided into:
357 (1 1/2) Labour Economics and Manpower
367 (1 1/2) The Economics of Industrial Relations
311 divided into:
481 (1 1/2) Market Structure
491 (1 1/2) Business Regulation and Public Policy
402 divided into:
452 (1 1/2) International Trade I
462 (1 1/2) International Trade II

302 to become:
332 (3) Intermediate Price Theory
342 (3) Intermediate Income Theory
406 dropped.

Fine Arts - 431 title changed to Art, Science and Humanism

Geography - 202, 306, 410, 420, 404, 405, 406, 408, 409 renumbered to, respectively, 214, 366, 491, 492, 494, 495, 496, 498, 499.

212 divided into:
212 (1 1/2) Climatology
312 (1 1/2) Statistical Climatology
300 divided into:
370 (1 1/2) Air Photography Analysis
371 (1 1/2) Research Techniques in Geography
301 divided into:
372 (1 1/2) Cartography
373 (1 1/2) Cartographic Design
304 divided into:
324 (1 1/2) Cultural Geography
424 (1 1/2) Analysis of Selected Culture Areas
305 divided into:
350 (1 1/2) Introduction to Urban Geography
351 (1 1/2) Geography of Urbanization and Industrialization
307 divided into:
337 (1 1/2) Introduction to Political Geography
437 (1 1/2) Political-Geographic Analysis
310 divided into:
360 (1 1/2) Geography of Manufacturing
460 (1 1/2) Geography of Industry
312 divided into:
213 (1 1/2) Physiographic Hydrology
313 (1 1/2) Regional Hydrology

414 divided into:
361 (1 1/2) Location Theory and Regional Analysis
462 (1 1/2) Geography of Water Resources
415 divided into:
450 (1 1/2) Urban Analysis
461 (1 1/2) Regionalization and Economic Development

German - 400 reduced to 1 1/2 units, relisted as Studies in 19th Century German Drama.
402 reduced to 1 1/2 units, Middle High German Literature.
409 reduced to 1 1/2 units, Currents of Thought in 18th Century Literature.
413 reduced to 1 1/2 units, The Novel in the 20th Century.

Italian - 400 renumbered 515
420 dropped

History - 313 description changed.
326 title changed to British North American, 1763-1867.
320 becomes Asian Studies 320.
330 becomes Asian Studies 330.
423 changed to Honours tutorial.

319, 324, 325, 435 transferred from Slavonic Studies 415, 311, 330, 440 respectively.

309, 410, 422, 424 transferred from Asian Studies 310, 410, 422, 423 respectively.

Political Science

300 title and description changed to Development of Political Theory: Basic Concepts and Issues.
305 reduced to 1 1/2 units, renumbered to 306 and title changed to A Comparative Examination of Political Parties and Protest Movements.
310 description changed.
403 renumbered 411.
410 description changed.
441 renumbered 341, description changed.

Delete 301, 405.

200 and part of 201 divided into:
- 200 (1 1/2) The Government of Canada
- 201 (1 1/2) Foreign Governments
- 202 (1 1/2) Contemporary Ideology
- 203 (1 1/2) Theories and Methods of Political Science

303 divided into:
- 314 (1 1/2) Japanese Government and Politics
- 315 (1 1/2) Communist Chinese Government and Politics

401 and 404 divided into:
- 401 (1 1/2) Legislative and Executive Processes in Canada
- 402 (1 1/2) Canadian Parties and Political Processes
- 403 (1 1/2) Federalism in Canada
- 404 (1 1/2) Local Government

406 divided into:
- 414 (1 1/2) Contemporary Japanese International Politics
- 415 (1 1/2) Contemporary Chinese International Politics

420 transferred from Slavonic Studies 412.
421 transferred from History 435.
430 transferred from Asian Studies 405.
431 transferred from Asian Studies 417.

Psychology

408 description changed and title changed to Social Psychological Research.
410 renumbered 316.

Slavonic Studies

(a) Polish

320 renumbered 345, description changed and title changed to Survey of Polish Literature.
410 renumbered 445 and title changed to Polish Literature from the Age of Classicism to the Modern Period.

(b) Russian

318 to become 533.
319 to become 520.
400 to become 433.
401 to become 501.
403 to become 400.
405 to become 431, The Russian Novel.
510 to become 432, Russian Literature from 1880 to 1917.

(c) Slavonic Studies

311 to become History 324.
330 to become History 325.
415 to become History 319.
440 to become History 435.
448 to become a tutotial in the Department of History.

404 to become Geography 494.

Sociology

425 description changed and title changed to Urban Sociology.

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Changes in B. Com. Programme

151 reduced to 1 1/2 units.
190 reduced to 1 1/2 units.
261 reduced to 2 units.
281 title changed to Organizational Behaviour.
371 changed to 271, 2 units.

Economics 300 to be required of all students.

FACULTY OF DENTISTRY

Calendar Changes

Addition of statement concerning admission of students to advanced standing.

Replacement of paragraph concerning Dental Aptitude Test.

Inclusion of statements on "Graduation" and "Regulations Regarding Licence to Practise Dentistry".

Inclusion of statement on "The Programme of Dental Hygiene".

FACULTY OF EDUCATION (Elementary Division)

New Courses

Social Studies 302 (3) The Development of Canadian Society

Education 403 (1 1/2) Mental Retardation
Education 421 (1 1/2) Principles of Teaching the Visually Impaired
Education 429 (1 1/2) Special Education for the Educable Retarded
Education 431 (1 1/2) Primary Learning Disabilities
Education 436 (1 1/2) Behavior Disorders in Children
Education 437 (1 1/2) Teaching Maladjusted Children

Changes

Education 408 reduced to 1 1/2 units.
Education 417 changed to Educating the Slow Learner (1 1/2).
Education 420 reduced to 1 1/2 units and retitled Special Education for the Trainable Retarded.

FACULTY OF EDUCATION (Secondary Division)

Revisions in the Bachelor of Education (Secondary) Degree Programme including the following new Major programmes:

English
French
Geography
History
Home Economics

History requirement for all Secondary Education students dropped.

New Course

Education 413 (1 1/2) Emerging Trends in Secondary Education

Minor curriculum changes

Education 404 revised.
Education 428 dropped from the One-Year programme for Graduates.

FACULTY OF FORESTRY

New Courses

Forestry 482 (1 1/2) Forest Hydrology
Forestry 483 (1 1/2) Forest Watershed Management

Changes

Forestry 162 replaced by Forestry 262
Forestry 164 replaced by Forestry 262
Forestry 318 replaced by Forestry 351

Minor changes to names and contents of options.

Minor Curriculum changes.

FACULTY OF GRADUATE STUDIES

(A) New Courses

Agricultural Engineering

561 (1) Advanced Drainage
562 (1) Advanced Irrigation
563 (1) Quality of Irrigation Water
566 (1) Design of Food Production Systems
580 (1) Engineering Principles Applied to Food Concentration
583 (1) Viscous Properties of Foods
584 (1) Thermal Properties of Plant and Animal Products
597 (1-3) Topics in Agricultural Engineering
598 (1) Seminar
599 (3-6) Thesis

Asian Studies

515 (3) Problems of Early Indian Civilization

Biology

505 (3) Comparative Biology

Chemical Engineering

560 (1-3) Biochemical Engineering

Civil Engineering

589 Photo Interpretation

Comparative Literature

500 (3) Problems of Comparative Literature

Economics

535 (1-3) Directed Reading
536 (1-3) Special Advanced Course

Education

501 (3) The Psychology of Classroom Learning and Teaching
507 (1 1/2) History of Special Education
509 (1 1/2) Organization of Special Education
513 (1 1/2) Advanced Seminar in Mental Retardation
538 (3) Communications Theory
559 (1 1/2) Administration of Post-Secondary Institutions
586 (1 1/2) Philosophy and Educational Policy
587 (1 1/2) Social Philosophies and Education
588 (1 1/2) Existentialism and Education
589 (3) Theories and Models of Education as a Discipline
590 (3) Current Developments in Higher Education
592 (3) Statistics in Educational Research II
675 (3) Epistemological Foundations of the Curriculum
676 (3) Ethical Foundations of Educational Thought and Practice
677 (3) Mental Constructs in Educational Theory
678 (1 1/2) Analysis of Educational Concepts

Forestry

518 (3) Advanced Forest Pathology
562 (3) Multiple Regression Methods
563 (1-3) Problems in Forest Land Management
573 (1) Logging Cableways
582 (1-3) Research in Forest Hydrology
583 (1-3) Problems in Forest Watershed Management

Italian

502 (3) Dante: The Divine Comedy
505 (3) Studies in the Literature of the Renaissance
510 (3) Studies in Modern Italian Literature
520 (3) Italian Language and Literature

Mechanical Engineering

571 (3) Advanced Thermodynamics

Pathology

500 (2) General Principles of Pathology
502 (3) Histopathology
506 (1) Ultrastructural Pathology
510 (2) Analytical Methods in Chemical Pathology
512 (2) Chemical Pathology
515 (4) Experimental Pathology
520 (2) Recent Advances in Bio-Pathology
525 (1) Immunopathology
535 (1) Seminar
548 (1-3) Directed Studies
549 (6) M.Sc. Thesis
649 Ph.D. Thesis

Polish

545 (3) Studies in Polish Literature

Political Science

506 (3) Political Development
511 (3) International Law Problems
550 (3) Political Thought

Psychology

519 (3) Mathematical Psychology

Russian

500 (1 1/2) Bibliography and Methods
510 (3) Russian Thought and Culture
532 (3) Studies in the Russian Novel

(B) Changes

Biochemistry 502, 503, 504, 505, 506, 507 - increased to 1 1/2 units each.

Civil Engineering 556, 560 - increased to 1 1/2 units each.

Economics 540 - changed to Research Seminar.
Economics 549 - unit value changed to 3-6.

Education 521, 533, 559, 561, 567, 568, 575, 577, 582, 599 - changes in unit value or description.

History - complete reorganization of the numbering system.

Italian 500, 501 - titles changed; 400 renumbered 515.

Mathematics - drop 555.

Mechanical Engineering 560, 582 - change in description, 567 deleted.

Political Science - drop 506.

Russian 516 - changed to 534.
508 and 518 combined to form one course 530.

Courses transferred:
318 renumbered 533 and title changed.
319 renumbered 520.
401 renumbered 501.

Zoology 504, 525 - unit value increased to 1 1/2 units each.

SCHOOL OF HOME ECONOMICS

The existing programmes in Home Economics:

(1) a four-year general programme
(2) a five-year Honours programme in either Food, Nutrition and Dietetics or Clothing, Textiles and Related Arts

to be replaced by the following programmes:

(1) a four-year general programme
(2) a four-year programme in foods and nutrition

Course offerings in the School of Home Economics reorganized and renumbered as follows:

New Number	Units	Title	Former Number
H.E. 201	3	Foods	H.E. 105
H.E. 202	1 1/2	Introductory Textiles	H.E. 102
H.E. 203	3	Foods and Nutrition	H.E. 201 & 310
H.E. 210	1	Comparative Clothing Construction	H.E. 106
H.E. 220	1 1/2	Design Fundamentals	H.E. 101
H.E. 222	1 1/2	Textile Design	H.E. 203
H.E. 340	3	Human Development	H.E. 421
H.E. 342	3	Family Relations	H.E. 421
H.E. 305	3	Advanced Nutrition	H.E. 303
H.E. 310	1 1/2	Clothing: Relating to Human Need and Behaviour	H.E. 104
H.E. 312	1 1/2	Clothing Design	H.E. 401
H.E. 360	1 1/2	Decision-Making and Management in the Family	H.E. 300
H.E. 362	1 1/2	Consumer Problems	H.E. 300
H.E. 364	1 1/2	Housing for the Family	H.E. 300
H.E. 401	1 1/2	Advanced Foods	H.E. 302
H.E. 402	1 1/2	Advanced Textiles	H.E. 400 & 402
H.E. 403	1 1/2	Food Seminar	H.E. 304
H.E. 405	1 1/2	Nutrition in Disease	H.E. 413
H.E. 407	1 1/2	Nutrition Seminar	H.E. 431
H.E. 416	1 1/2	History of Costume	H.E. 401
H.E. 420	1 1/2	Elements of Housing Design	H.E. 403
H.E. 421	3	Institution Administration	H.E. 416 & 414
H.E. 450	1 1/2	Communications	H.E. 410
H.E. 462	1 1/2	Problems in Family Finance	H.E. 300
H.E. 464	1 1/2	Management Laboratory	H.E. 420
H.E. 466	1 1/2-3	Special Problem	

Deletions: H.E. 210, 211, 213, 306

The numbering system has been redesigned for three reasons:

(1) Numbering represents distinctive areas, e.g. courses in foods and nutrition all have odd numbers.

(2) Courses building on prior courses have similar numbers.

(3) There is room within each group of numbers to add additional courses with meaningful numbers.

FACULTY OF MEDICINE

1. General

Revised statement on the transfer of students from the Faculty of Dentistry.

2. New Courses and Course Changes

Paediatrics

New Course — 440 Medical Genetics

Change — 430 prerequisite changed to Biology 334 (formerly 234) or equivalent.

Physiology

Changes — Number and title changes:

310 changed to 401 (3) Topics in General Physiology
410 changed to 301 (3) Human Physiology
411 changed to 302 (1 1/2) Human Physiology Laboratory

Revised requirements for Honours Programme.

3. Establishment of a Division of Human Genetics.

SCHOOL OF NURSING

1. Basic Degree Programme

New Courses

Nursing 280 - Nursing of Adults I
Replaces N.290, N.263 and N.390.
Nursing 382 - Obstetric Nursing
Replaces N.292 and N.392.
Nursing 384 - Pediatric Nursing
Replaces N.294 and N.394.

Changes

Microbiology 201 - replaces Microbiology 200.

Nursing 150 - change in number from 250.
Nursing 157 - change in title and description.
Nursing 386 - change in number from 296.
Nursing 363 - change in description.
Nursing 395 - change in value

Nursing 156 (3) Introduction to Nursing
Nursing 157 (5) Behaviour in Health and Illness
Nursing 363 (3) Public Health Nursing II
Nursing 463 (3) Public Health Nursing III

2. Postbasic Diploma Programmes

Changes

Nursing 326 (8) Psychiatric Nursing
Nursing 340 (4) Interpersonal Relationships
Nursing 342 (6) Nursing Service Administration
Nursing 343 (6) Public Health Nursing

3. Master's Degree Programme

New Courses

Nursing 520 (3) Core Concepts of Nursing
Nursing 521 (4) Methods and Techinques of Research
Nursing 530 (4) Nursing in Long-Term Illness
Nursing 531 (4) Psychiatric Nursing
Nursing 560 (4) Nursing Education
Nursing 570 (4) Administration and Supervision in Nursing Services
Nursing 590 (3) Thesis

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

New Courses

English 303 as an alternative to English 200

P.E. 160 (0) Seminar in Physical Education
P.E. 222 (1) Outdoor Activities
P.E. 228 (1) Figure Skating
P.E. 286 (3) The Creative Arts in Recreation
P.E. 363 (1 1/2) Kinesiology
P.E. 463 (1 1/2) Physiology of Exercise
P.E. 464 (1 1/2) Health III
P.E. 465 (1 1/2) Recreation Therapy

Revision of unit values of Physical Activity Courses.

Introduction of Seminars.

The renumbering and modification of certain courses.

FACULTY OF SCIENCE

Biology

New Course — 235 (3) Fundamental Genetics (Summer Session only)

Changes — 234 - number changed to 334.
240 - number changed to 340.

Chemistry

New Courses — 103 (3) General Chemistry
120 (3) Principles of Chemistry
210 (3) Physical Inorganic Chemistry

Deletion — 101, 102

Minimum secondary school prerequisite: Chemistry 11 or equivalent.

Computer Science

New Course — 400 (3) Applied Combinatorial Analysis

Geology

Changes — 303 and 317 combined to form the following course:
320 (3) Optical Mineralogy and Petrology
Geology 317 will survive as a terminal course required in Mineral Engineering.

307 replaced by the following two courses:
309 (1) Hydrogeology
311 (1) Natural Gas and Petroleum Geology

Geophysics

New Courses

320 (3) Astronomical Dynamics
321 (3) Astronomical and Astrophysical Measurements
404 (1) Geophysical Analysis
405 (1) Potential Field Theory
406 (1) Instrumentation

Changes

400 change in hours and description.

Deletion

401

Mathematics

Changes

110 description changed.
120 title and description changed to:
Introduction to Calculus

Microbiology

Changes

201 alternate course to Microbiology 200
(3) Principles of Microbiology
308 divided into two courses:
307 (1 1/2) Food and Industrial Mycology
308 (1 1/2) Bacteriology of Food
409 divided into two courses:
408 (1 1/2) Bacterial Viruses
409 (1 1/2) Animal Viruses

Physics

Changes

200 change in title and description and unit value.
200 (2) Electricity and Kinetic Theory
219 (1) Laboratory in Electricity and General Physics
204 change in title and description.
204 (3) Electricity and Heat
209 (1) Intermediate Experimental Physics
206 to be replaced by the following courses:
210 (2) Mechanics and Special Relativity
220 (2) Mechanics and Special Relativity

Physiology

Changes

310 number, title and description changed to:
401 (3) Topics in General Physiology
410 number and title changed to:
301 (3) Human Physiology
411 number, title and unit value changed to:
302 (1 1/2) Human Physiology Laboratory

Revised requirements for Honours Programme in Physiology.

Zoology

Change

410 unit value reduced to 1 1/2, hours changed.

Change in B.Sc. (General) Requirements

"At least one of Biology 101 or Geology 105."

Change in Supplemental Regulations

Change in Preamble to List of Courses from Other Faculties

General

Revised regulation regarding minimum number of units in each Winter Session.

APPENDIX B

Summary of New Awards and Changes in Awards Recommended to Senate

New Awards

The Margaret Armstrong Scholarships

As a memorial to Anna Margaret Armstrong, these scholarships have been established to pay tribute to her devoted service through teaching and research for many years in the Department of Metallurgy, and to mark the affectionate esteem in which she was held by her colleagues and students. Two scholarships of $500 each are offered annually to women students entering the penultimate year of an undergraduate degree programme in any branch of engineering, in honours chemistry, or in honours physics. They will be awarded primarily on the basis of academic standing and research ability.

The Butler Bros. Supplies Ltd. Scholarship in Agriculural Engineering and Mechanics

This scholarship of $250, the gift of Butler Bros. Supplies Ltd. Victoria, Surrey and Chilliwack, will be awarded annually to a student who is continuing his education in agricultural engineering or mechanics. Candidates will be considered on the basis of academic standing, financial need, and their interest in the application of engineering principles in the agricultural industry. The award will be made at the close of the session on the recommendation of the departments concerned.

The Department of Asian Studies Scholarship

A scholarship of $300 is offered to honours undergraduates or to graduate students specializing in Asian Studies. It will be awarded on the recommendation of the Head of the Department to a student whose academic record and achievement show promise of a successful career in the Asian Studies field.

The Canadian Foundation for the Advancement of Pharmacy Graduate Study Fellowship

One grant is available each year in the University of British Columbia in the amount of $500 and will be awarded on the basis of competition among graduates in the Faculty of Pharmacy pursuing graduate studies in pharmacy at U.B.C. Further information may be obtained from the Dean of the Faculty of Pharmacy.

Cominco University Scholarships

To assist in ensuring a continuing supply of qualified graduates in fields vital to industry in Canada, Cominco Ltd. has established a program of forty-eight scholarships at specified Universities. Four of these scholarships, each a two-year award of $800 per year, are available at the University of British Columbia. They are open to students who, in the fall, will enter the penultimate undergraduate year of a course leading to a degree in Honours Geology, Geological Engineering, Mining, Mineral Engineering, Metallurgy, Metallurgical Engineering, Mechanical Engineering, Honours Chemistry, Soil Science, Agronomy. Students must apply to the University of B.C. by April 15th on forms obtainable from the Dean of Inter-Faculty and Student Affairs, University of B.C., Vancouver 8, B. C. Renewals for the second year will be subject to attainment of academic standards satisfactory to the Scholarship Committee of the University.

The College of Dental Surgeons of British Columbia Gold Medal

A gold medal, presented by the College of Dental Surgeons of British Columbia, will be awarded to the student graduating in the Faculty of Dentistry with the most outstanding record in the four-year course.

The Frederick and Agnes Eatock Memorial Fund

The annual income on this fund, a bequest from the late Agnes Eatock, provides a graduate scholarship for students proceeding to a degree in Nursing at the University in the Faculty of Graduate Studies. If, in any year, no suitable candidate or candidates are available, the income will be used to provide bursaries for deserving students proceeding to the degree of B.S.N.

The Sherritt Gordon Mines Limited Mineral Engineering Scholarship

This scholarship, the gift of Sherritt Gordon Mines Limited, is offered annually to undergraduates in mineral engineering with satisfactory academic standing who are entering the Second or Third Year. If the winner is entering the Second Year he will receive $700 in the Second Year, $700 in the Third Year, and $600 in the Fourth Year; but if he is entering the Third Year he will receive $1000 in each of the Third and Fourth Years. A renewal is subject to maintenance of satisfactory academic standing. The award is tenable only at the University of British Columbia and cannot be held with other major scholarships. A candidate should apply for this scholarship through the Department of Mineral Engineering before the close of the second term. Applicants will receive consideration for summer employment at Sherritt Gordon Mines Ltd., Lynn Lake, Manitoba. The applicant's performance on the job will be taken into consideration in awarding the scholarship. The winner will be recommended for the award by the Department of Mineral Engineering in consultation with the Company.

The John William Hartley and Joseph Warren Revere Murphy Bursary

A fund established in honor of John William Hartley and Joseph Warren Revere Murphy by Mr. and Mrs. Fred L. Hartley provides an annual bursary, at present in the amount of $100. This bursary is open to students taking a full program of studies toward a degree in the First or Second Year of any Faculty. It will be awarded to a student with the necessary academic standing who, because of his financial circumstances and his personal qualities and character, is deserving of assistance.

Killam Scholarships

These scholarships are provided annually from "The Isaak Walton Killam Memorial Fund for Advanced Studies", established through a bequest from the late Dorothy J. Killam. Available in general for any field of study or research (other than the "arts" as presently defined in the Canada Council Act and not limited to the "humanities and social sciences" defined in that Act), these scholarships will be be awarded, insofar as possible, for work either leading or subsequent to a doctorate or for work of similar standing. The basis of award will be special distinction of intellect, with due regard for sound character and personal qualities. They are open to suitable candidates from any country, but those who are not Canadian Citizens may use their awards only for study and research in Canada. Killam Scholarships will be granted initially for two years, but are subject to review and may be terminated at the end of the first year, or where circumstances warrant, they may be extended for a further period.

The Killam Scholarships offered through "The Isaak Walton Killam Memorial Fund for Advanced Studies" at the University of British Columbia are as follows:

(a) Killam Senior Fellowships

These awards, approximately six in number (including new awards and renewals), are open to members of faculty of the University who have outstanding records of achievement and wish to devote full time to research and study in their field for a period of time. The amount of each award will be equivalent to salary and benefits. Awards may also be made to distinguished members of other institutions who wish to pursue study and research for one or two years or more at the University of B. C.

(b) Killam Postdoctoral Fellowships

These awards, approximately fifteen in number (including new awards and renewals), and each in the range of up to $7500, are open to (i) students who have recently obtained a doctorate at the University of B. C., have shown superior ability in research, and wish to pursue further study and research at the University of B.C. or elsewhere; and (ii) students who have recently obtained a doctorate at another university, have shown superior ability in research, and wish to pursue further study and research at the University of B.C. Consideration will also be given to candidates who, although they do not possess a doctorate, are deemed by virtue of their achievements and ability to have similar qualifications.

(c) Killam Predoctoral Scholarships

These awards, approximately sixteen in number (including new awards and renewals), and each in the range of up to $5000, are open to outstanding graduates of any institution for full time study and research leading to a doctorate at the University of B. C. Up to four of these fellowships, renewable for two further years, will be reserved each year for an area or areas of study designated by the University. The fellowships not awarded in the designated areas will be open to candidates in any field of study in which a doctorate is offered at the University.

Awards are administered by the Scholarship Committee of the University in accordance with the regulations of the Trust and the University Senate.

The William G. Murrin Bursaries

The annual income from a bequest made by the late William G. Murrin, who for many years served the University as a member of the Board of Governors, provides bursaries for worthy and able students who cannot continue their studies without financial aid.

The Vera and Dudley Myers Prize

This prize of $500, in memory of Vera and Dudley Myers, will be awarded annually to the postgraduate resident in his second year of psychiatric training under the University Program whose ability, promise and record in the field of Psychiatry is considered by the Faculty of Medicine to be the most outstanding.

The Nettie Neudorf Memorial Scholarship In Nursing

As a memorial to Nettie Neudorf, B.S.N. (Brit. Col.), R.N., this scholarship of $500 is offered to students proceeding to the Third Year of the degree programme in Nursing. This scholarship will be awarded, on the recommendation of the School, for excellence in the subject of obstetric nursing combined with outstanding personal qualities and promise. Preference will be given to a student needing financial assistance.

The Kay Norgan Scholarships in Education

From a fund established by Kay Norgan, scholarships of $500 each are offered annually to students in the Faculty of Education who are preparing to teach in an elementary or secondary school and are residents of British Columbia. These scholarships will be awarded by the University Scholarship Committee to students who not only have outstanding academic records combined with need for financial assistance, but who also show promise of success in a teaching career. In the session 1967-68, one scholarship will be available.

The Dorothy Somerset Scholarship

In honor of Dorothy Somerset, B.A., LL.D., Founder and first Head of the Department of Theatre at the University of British Columbia, a scholarship has been established by her friends and associates. This scholarship gives recognition to her devoted service and outstanding contributions to the life and quality of amateur and professional theatre in Vancouver, in British Columbia, and in Canada. It will be awarded annually to a student at the graduate level in the Department of Theatre at the University.

The Student Nurses' Association of British Columbia Bursaries

Two bursaries of $100 each, the gift of the Student Nurses' Association of British Columbia, are offered to students graduating from a Diploma School of Nursing in British Columbia in 1967 and planning to enter the degree programme of Nursing at the University of British Columbia in September, 1967. Applications, on the University Bursary Form, must be submitted by July 15th.

The Vancouver Estonian Society Scholarship

A scholarship of $100, established by the Vancouver Estonian Society to commemorate the Canadian Centennial Year and the Fiftieth Anniversary of the Republic of Estonia, will be awarded to a student beginning or continuing a course of study at the University of British Columbia. To be eligible a candidate must be a member, or the son or daughter of a member, of the Vancouver Estonian Society. Application

must be made to Dean Walter H. Gage, University of British Columbia, Vancouver 8, B. C. and must be received not later than June 30th. Applicants entering from secondary schools should apply on the "General Application for University Entrance Scholarship Form" and others on the "Undergraduate Scholarship Application Form", both of which may be obtained from Dean Gage's office. Applicants will be considered on the basis of academic standing, personal qualities, and need for financial assistance.

The Vancouver Journeymen Training and Industry Promotion Fund Scholarships

Three scholarships of $500 each, provided by the Trustee Board of the Vancouver Journeymen Training and Industry Promotion Fund, are offered annually to students entering the First Year at the University of B.C., and proceeding in a full programme of studies to a degree in any field. To be eligible a candidate must be (a) the son, daughter, or legal dependent of a member of the United Association of Plumbers and Steamfitters, Local 170, who is employed by a firm who is a contributor to the Fund; or (b) the son, daughter, or legal dependent of an employer who is a contributor to the Fund and who employs members of the United Association of Plumbers and Steamfitters, Local 170. The Scholarships will be awarded to the three candidates who, in the opinion of the University, have the highest academic standing. To compete for these scholarships a candidate must (1) obtain from Dean Walter H. Gage, University of B.C., Vancouver 8, B.C. the "General Application for Scholarship" form, and file the completed form by May 31st with the University; and (2) write the Government of B.C. Scholarship Examinations conducted in June by the Department of Education. B.C. The academic standing of candidates, which constitutes the sole basis of award, will be determined by the results of these examinations. Grades obtained in the other subjects taken during the year may be considered. The Trustees reserve the right to withhold the awards if candidates do not obtain sufficiently high standing or if they receive other major awards.

The Canadien Chain Saw Fellowship

This research fellowship, the gift of Power Machinery (a division of Bristol Aero-Industries Limited), is available for research studies in Mechanical Engineering at the University of British Columbia. This fellowship annually provides $2700 plus academic fees for the fellow and an operating grant of $3000 to the Department for the purchase of special equipment, materials, and supplies essential to the research. The fellowship will be awarded to a candidate recommended by the Department of Mechanical Engineering, in consultation with the Company, and approved by the University Scholarship Committee. The programme of research will be chosen in consulation with the Company.

Changes in Awards

Michael Bowker Memorial Bursary

Increased in value from $200 to $300.

Greater Vancouver Branch, British Columbia Association of Social Workers

Prize increased in value from $25 to $50.

Lady May Cambridge Chapter, I.O.D.E.

Two bursaries of $100 each for the session 1966-67 instead of one bursary of $100.

Campney, Owen & Murphy Scholarship

Increased in value from $250 to $300 annually.

Canadian Institute of Mining and Metallurgy B.C. Section Prizes

The value of the three book prizes has been increased in value from $40 each to $50 each.

Chartered Life Underwriters Vancouver - New Westminster Chapter Bursary

Increased in value from $200 to $250.

Cyanamid of Canada Limited Scholarship

Increased in value from a former range of $500 to $750 to a range of $600 to $900.

Finning Tractor & Equipment Co. Ltd.

Graduate Scholarship increased in value from $400 to $500.

Lambert Scholarship

Increased in value from $300 to $400.

Lighthall Memorial Bursary

Increased in value from $50 to $100.

The W. H. MacInnes Scholarship in Physics and Mathematics

Increased in value from $250 to $300.

The Mathilde MacInnes Memorial Scholarship

Increased in value from $250 to $300.

Vancouver City Hall Employees Society Bursary

Increased in value from $200 to $300.

Vancouver Island Recreation Scholarship

Increased in value from $150 to $300.

Vancouver Natural History Society Prize

Increased in value from $25 to $50.

West Vancouver Teachers' Association Scholarship

Increased in value from $200 to $300.