Wednesday, December 14, 1977.

The Fourth regular meeting of the Senate of The University of British Columbia for the Session 1977-78 was held on Wednesday, December 14, 1977 at 8.00 p.m. in the Board and Senate Room.

Present: President D. T. Kenny (Chairman), Mrs. M. F. Angus, Mr. I. Bell, Dr. C. S. Belshaw, Dr. C. B. Bourne, Dr. K. T. Brearley, Dr. T. H. Brown, Rev. P. C. Burns, Dr. D. H. Copp, Mr. C. K. Cramer, Dr. J. D. Dennison, Dr. P. J. Dooling, Mrs. F. Field, Dr. C. V. Finnegan, Dean E. M. Fulton, Dean J. A. F. Gardner, Mr. R. H. Goodwin, Dr. D. Haley, Mr. D. P. Hamilton, Mr. A. Hedstrom, Dr. R. H. Hill, Dr. J. M. Houston, Miss W. J. Hudson, Dr. L. D. Jones, Miss A. M. Katrichak, Dean W. D. Kitts, Mr. J. Kulich, Mrs. W. T. Lane, Dean P. A. Larkin, Dean P. A. Lusztig, Miss E. McCann, Dr. D. J. MacDougall, Dr. J. H. McNeill, Mr. J. F. McWilliams, Rev. J. P. Martin, Dr. B. N. Moyls, Dr. P. H. Pearse, Mrs. M. L. Peters, Dr. M. E. Prang, Dr. J. F. Richards, Dean B. E. Riedel, Dr. V. C. Runeckles, Mr. J. H. Russell, Dr. S. O. Russell, Mr. P. Sandhu, Dr. M. Shaw, Dr. R. A. Shearer, Dr. J. G. Silver, Dr. J. K. Stager, Mr. G. A. Thom, Dean G. M. Volkoff, Miss C. L. V. Warren, Dean W. A. Webber, Dean R. M. Will, Dr. J. L. Wisenthal, Acting Dean D. J. Yeo.

Observer: Mr. J. A. Banham

Messages of regret for their inability to attend were received from Chancellor D. F. Miller, Dean J. H. M. Andrews, Mr. D. M. Brousson, Miss L. R. Erdman, Dean W. D. Finn, Dr. R. F. Gray, Dr. W. M. Keenlyside, Dr. L. Kraintz, Dean K. M. Lysyk, Mrs. H. McCrae, Mr. J. M. MacIntyre, Mr. A. O. McNeil, Mrs. N. B. Noble, Mr. R. F. Osborne, Dr. R. F. Sharp, Mr. R. S. Whyte.

Minutes of the previous meeting

Dean Larkin) Dr. Pearse)	That the minutes of the Third regular meeting of Senate for the Session 1977-78, having been circulated be taken as read and adopted.

It was pointed out that the motion concerning the proposal to establish a Centre for the Study of Childhood on page 6919 should have read ... "That the proposal of the Faculty of Graduate Studies ..." not the Faculty of Medicine.

The motion was put and carried.

Wednesday, December 14, 1977.

Business arising from the Minutes

Proposal to establish a Centre for the Study of Childhood (P.6919)

Discussion of the proposal had been postponed at the previous meeting. It was stated in the proposal circulated to Senate that the centre would probably be named The J. F. McCreary Centre for the study of childhood. The following is an extract from the submission:-

"A facility of the type proposed for the McCreary Centre does not exist in Canada today. Its purpose and function are not currently being served in any integrated Canadian context.

1. Purpose: to stimulate and facilitate studies of childhood by providing a resource centre for those involved in conducting such research.

2. Functions:
   - to identify contemporary issues affecting Canada's children and, by providing a medium for the exchange of ideas and formulation of hypotheses, to contribute towards the resolution of contemporary problems.
   - to identify issues that require a polydisciplinary research approach and to facilitate its conduct.
   - to facilitate the research interests of local and/or visiting scholars interested in studying the problems affecting children in British Columbia.
   - to disseminate information presently available about childhood and about Canada's children.
   - to foster communication between various individuals, institutions, and organizations in Canada that are involved in the study of childhood or in the problems of Canadian children.
   - to examine the present knowledge base and teaching practices currently employed by those interested in childhood.

Background

This submission represents the end product of more than one year's examination of Centres interested in the broad field of child development. Centres in Canada and the U.S. have been visited and Centres in the U.K., Europe and New Zealand have been reviewed by correspondence.

The McCreary Centre proposal has been considered and subsequently supported by the Department of Paediatrics, the Faculty Executive in Medicine, and the full Faculty of Medicine. Discussions have also been held at many levels within the University of British Columbia as well as with faculty of Simon Fraser and Victoria Universities. A compendium of written and verbal comments has been gathered from across Canada and the U.S.

The present proposal represents the thoughts and feedback from many sources and is a modification of the initial McCreary Centre proposal.

Wednesday, December 14, 1977.

Business arising from the Minutes

Proposal to establish a Centre for the Study of Childhood (continued)

"Justification

Paediatricians and other workers responsible for the care of children, not to mention parents and families, are constantly faced with issues or situations where factual information upon which to base policy decisions or actions is either non-existent or unavailable. All too often the experts that are turned to at times of need base their opinions upon individual and therefore subjective experience or upon a perspective of childhood in which the child is a dependent creature.

The constantly shifting place of the child in society creates an awareness of the need for information on child raising techniques that respond appropriately to these shifts. Social planners and advocates of services for children who seek out factual information on which to base program planning and child care philosophies quickly identify the inadequacies of the present knowledge base.

For example, what are the immediate or long term problems created by such social changes as: working mothers; increase in the number of single parent families; rising divorce rates; changes in sexual mores; changes in the health status of children; and technological changes as the introduction of television. The improved mortality and morbidity picture in the developed nations of the world has given rise to the growing importance of behavioural problems in clinical practice. It is important that these types of problems and the impact of the many social changes of our era be studied in a long term situation. Hopefully this will give rise to a more rational approach to child raising policies and provide an alternative to the present off the top of the head type of opinion that has produced much of our cyclic swings in child raising techniques.

For some of the contemporary issues we already have answers within the present knowledge base. However, a lot of the data that is available is not Canadian derived and whether or not this data can be translated to Canadian issues remains a matter of question.

To better answer these contemporary questions about childhood in Canada we need to pull together the many fragments within the present knowledge base and examine them for Canadian relevance. To initiate the focal point for the gathering, coordinating, and disseminating of existing data will require that a focal point for this activity be created and the source of the energy required for such an effort be found. Such an effort will not evolve spontaneously. If knowledge is to emerge and have relevance to a Canadian context then a Canadian based research oriented Centre is needed. Such a Centre should not only facilitate the more traditional forms of research relating to problems of childhood but should also foster the development of new approaches to the study of childhood.

Studies designed to broaden our understanding and which emcompass the notion of the child as an interactant within an ecology system will require new methodologies and the development of new assessment technology. This new knowledge can emerge from a variety of approaches to the design and conduct of research. However, it is likely that the polydisciplinary approach to research will play a major and essential role in generating these types of studies. A specific focus and organizational structure will be needed if polydisciplinary approaches are to realize their full potential. In order to maintain a level of productivity comparable to that seen in research conducted along traditional disciplinary lines a facility, created expressly to promote various forms of polydisciplinary studies of childhood, is needed. Such a facility does not exist in Canada today. Its creation is long overdue. This is what the McCreary Centre will be all about.

Business arising from the Minutes

Proposal to establish a Centre for the Study of Childhood (continued)

"Advisory Committees

1. A management committee chaired by the Dean of Graduate Studies at U.B.C. and consisting of no more than 10 members representing:

   Department of Psychology
   Faculty of Medicine
   Faculty of Education
   School of Home Economics
   Health Science Coordinating Committee

   and the purpose of the management committee will be to advise of the development policy and administration of the Centre.

2. A planning committee composed of selected individuals interested in the study of childhood. The purpose will be to assist the Centre with the development of program content.

In addition, there will be ad hoc committees depending upon the type of research being carried on. Periodically, the evaluation committee will be struck to carry on the evaluation of the proposals.

Advisory Council

Composed of 10-15 members drawn from all of British Columbia and selected on the basis of interest in the problems of childhood. It will serve as an advisory council and aid in the selection of the scholars who might wish to visit the Centre.

Evaluation

It is intended that the Centre run for at least ten years. There will be an interim evaluation at the end of the first five years of operation. An evaluation committee will be struck by the Dean of Graduate Studies, and he will prepare its terms of reference."

Dean Larkin)
Dr. Yeo)

That the proposal of the Faculty of Graduate Studies to establish a Centre for the Study of Childhood be approved.

Carried

Statement on Academic Freedom

Notice of motion had been given at the previous meeting.

Dr. Finnegan)
Dr. Dennison)

That the following statement on Academic Freedom be approved by Senate for inclusion in the University Calendar:-

Wednesday, December 14, 1977.

Business arising from the Minutes

Statement on Academic Freedom (continued)

The members of the University enjoy certain rights and privileges essential to the fulfilment of its primary functions: instruction and the pursuit of knowledge. Central among these rights is the freedom, within the law, to pursue what seem to them fruitful avenues of inquiry, to teach and to learn unhindered by external or non-academic constraints, to engage in full and unrestricted consideration of any opinion. This freedom extends not only to the regular members of the University but to all who are invited to participate in its forum. Suppression of this freedom, whether by institutions of the state, the officers of the University or the actions of private individuals, would prevent the University carrying out its primary functions. All members of the University must recognize this fundamental principle and must share responsibility for supporting, safeguarding and preserving this central freedom. Behaviour which obstructs free and full discussion, not only of ideas which are safe and accepted but of those which may be unpopular or even abhorrent, vitally threatens the integrity of the University's forum. Such behaviour cannot be tolerated.

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) New courses and course changes recommended by the Faculty of Arts (P.6924–5)

(ii) Course change recommended by the School of Architecture (P.6925)

(iii) Advancement regulations recommended by the Faculty of Commerce and Business Administration (P.6910)

(iv) Institute of Astronomy and Space Science to be discontinued as recommended by the Faculty of Graduate Studies (P.6919)

(v) Introduction of additional prerequisite for entrance to the Faculty of Medicine (P.6911)

(vi) Postdoctoral Internship in Clinical Psychology program recommended by the Faculty of Medicine (P.6925)

(vii) Course change recommended by the Faculty of Medicine (P.6925)

Wednesday, December 14, 1977.

Committee on Prizes, Scholarships and Bursaries

Dean Webber)
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.

Carried

Reports of Committees of Senate

Curriculum Committee (See Appendix 'B')

Dr. Runeckles presented the report. The committee recommended the approval of new courses and course changes recommended by the Faculty of Graduate Studies, with the exception of the proposed change in the unit value of Planning 500 which had been withdrawn by the School of Community and Regional Planning. Attention was drawn to the title of Education 573 and it was agreed that this should be changed to read Advanced Seminar in Research on Exceptional Children.

The committee also recommended approval of new courses and course changes submitted by the Faculty of Science with the exception of the cross-listing of Mathematics 225 which was an identical course to Computer Science 220. The committee felt that there was no justification for approving Mathematics 225. The committee also recommended that the words "or permission of the Chairman of the Biology program" be added to the prerequisites for Biology 444.

Dr. Runeckles)
Dr. Wisenthal) That the proposal submitted by the Faculty of Graduate Studies and the Faculty of Science be approved.

Carried

Yukon Teacher Education Program

A report on the Yukon Teacher Education Program had been circulated for information. Dr. Runeckles stated that since this was an existing program it did not require the approval of the Senate Curriculum Committee.

It was stated in the report that the Government of the Yukon had approached U.B.C. approximately one year ago with the request that a teacher training program be established in the Yukon, leading ultimately to the degree of Bachelor of Education in The University of British Columbia. The program was to be in the field of elementary education for student teachers in the primary and elementary grades.

Wednesday, December 14, 1977.

Reports of Committees of Senate

Curriculum Committee

Yukon Teacher Education Program (continued)

The main reason for the request was that the Yukon Territory had been suffering from a large turnover of teachers for many years, and wished to train Yukon residents as prospective teachers in an on-site program. It was stated that the Yukon Government inquired of a number of other universities, including one in Anchorage, Alaska, but finally decided to make its approach to U.B.C. largely because they had received reports on the various alternative programs. The Government of the Yukon will bear the whole cost of the proposed scheme and did, in fact, approve funding in March 1977.

It was noted that the Yukon Government did not see the project as a possible program for Native Indians, but rather for "Native Yukoners" which meant non-Indians and Indians alike. The government was reviewing residential qualifications (e.g., the possibility of five years of residence in the Yukon) as a necessary prerequisite for entry into the program. All candidates would have to satisfy the regular admission requirements, or mature entry requirements of the University.

Admissions Committee

At its meeting of September 14, 1977 Senate requested that the Faculties of Agricultural Sciences, Arts, Education, Science and the Schools of Home Economics, Nursing, Physical Education and Recreation report to Senate on further specific subjects of Grades 11 and 12 that should be required or recommended to prospective applicants from B. C. Secondary Schools.

Reports had been submitted to the Admissions Committee as requested, and the requirements for admission to First Year for the Session 1981-82 are noted below:-

Basic to all programs - 10 prescribed courses.

- English 11 and 12
- Social Studies 11
- Algebra (Mathematics) 11
- French 11 or a foreign language 11
- Science 11
- four courses of which three must be numbered 12 and all of which are from "Arts and Science" courses.

Agricultural Sciences
- two of Biology 11, Chemistry 11, Physics 11 (all three recommended)
- Algebra 12
- one course numbered 12 from among Biology 12 Chemistry 12, Geology 12, Geometry 12, Physics 12.

Wednesday, December 14 1977.

Reports of Committees of Senate

Admissions Committee (continued)

Arts and Education	- no specific additions
Home Economics	(a) Family Science - Chemistry 11 (b) Human Nutrition - Chemistry 11 and Physics 11 - Algebra 12
Nursing	- Chemistry 11, Physics 11 - Biology 12 (Chemistry 12 recommended)
Physical Education and Recreation	- (Community Recreation 12 recommended)
Science	- Chemistry 11, Physics 11 - Algebra 12 - one course numbered 12 from among Biology 12, Chemistry 12, Geology 12, Geometry 12, Physics 12.

Dr. Finnegan)
Dr. Brearley)

That Senate approve the admission requirements as outlined for the Faculties of Agricultural Sciences, Arts. Education, Science, and the Schools of Home Economics, Nursing, Physical Education and Recreation.

Carried

Committee on Criteria for Affiliation of Theological Colleges

Senate concurred with the recommendation of the Agenda Committee that the report not be discussed at this time, but that it be returned to the committee in order that a statute of Senate might be prepared delineating the formal relationship with current affiliated theological colleges as well as with those which might become affiliated in the future.

Independent Study Courses

Dr. Shearer)
Dr. MacDougall)

That the Senate Admissions Committee review the existing regulation which restricts to 15 units the credit which a student may obtain from Independent Study courses, to be applied toward a degree from this University, that in conducting this review the Committee consult the Faculties, and that the Committee report to Senate, recommending whether the existing regulation should be retained, modified, or abolished.

Independent Study Courses (continued)

It was stated in the material circulated to Senate that members of the Interior University Programs Board had expressed strong interest in the development of degree programs for Interior residents by means of Independent Study Programs. Regulations at The University of British Columbia prevented students from obtaining degrees largely or wholly through Independent Study courses. Dr. Shearer stated that since the policy had not been reviewed for some time he felt that the Senate Admissions Committee should be requested to conduct such a review.

Following a brief discussion the motion was put and carried.

Faculty of Commerce and Business Administration

A proposal concerning the B.Com. degree and student performance in failed years was referred to the Senate Admissions Committee.

Faculty of Graduate Studies

Revised admission requirements for applicants to a Master's degree program had been circulated. Dean Larkin explained that the proposal had arisen out of a recommendation from the Ad hoc Committee on Diplomas and Certificates. The Faculty had been asked to consider and report to Senate on the revision of admission requirements in order to permit the professional experience of applicants to offset deficiencies in previous academic qualifications.

Dean Larkin)
Dean Riedel)

That item 3 under Master's Degrees (Admission), in the Calendar, be revised to read:

"3. Applicants for a Master's degree must hold a Bachelor's degree or its academic equivalent, with

(a) Honours in the field of the proposed Master's courses with First Class standing in at least two (6 units) of the Third and Fourth Year courses in that field, or

(b) First Class standing in at least two (6 units) of the courses and at least Second Class standing in each of the remaining courses of Third and Fourth Year work prescribed by the department or departments or special committee concerned as prerequisite to the Master's program, or

(c) Sufficient formal training and relevant professional experience to provide the equivalent of (a) or (b)."

Faculty of Graduate Studies (continued)

Dr. Shearer) Dean Lusztig)	That the proposal be referred back to the Faculty of Graduate Studies in order that the wording of item (c) can be reconsidered.

Dr. Shearer explained that he felt that item (c) should be referred back since in its present form the wording suggested that a person with experience would have an automatic claim to admission.

The motion to refer was put and carried.

Faculty of Medicine

Dean Webber) Dr. Copp)	That the Royal Canadian Legion Chair in Family Practice be established at The University of British Columbia.

Dean Webber stated that the Faculty of Medicine was most grateful to the Royal Canadian Legion for funding a professorship in the field of Family Practice on a continuing basis which would now allow the Faculty to recruit a professor and Head for the Department of Family Practice.

The motion was put and carried.

Report of the Registrar on Enrolment

The report on enrolment for 1977-78 was circulated for information.

Report of the Tributes Committee

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

Honorary Degrees

The committee recommended that invitations be extended to the following persons to receive honorary degrees at the 1978 Congregation:-

Harry V. Warren, Geologist
- Degree of Doctor of Science (Honoris Causa)

Robert E. Bell, Physicist
- Degree of Doctor of Science (Honoris Causa)

Jack Shadbolt, Artist
- Degree of Doctor of Laws (Honoris Causa)

Dorothy Blakey-Smith, Historian
- Degree of Doctor of Letters (Honoris Causa)

Wednesday, December 14, 1977.

Report of the Tributes Committee

Honorary Degrees (continued)

Thomas A. Dohm, former Chairman of The University of British Columbia Board of Governors
- Degree of Doctor of Laws (Honoris Causa)

L. J. Wallace, Public Servant
- Degree of Doctor of Laws (Honoris Causa)

Dr. Stager)
Dean Volkoff) That the recommendation of the Tributes Committee concerning Honorary Degrees be approved.

Carried

The meeting adjourned at 9.45 p.m.

The next regular meeting of Senate will be held on Wednesday, January 18, 1978.

Secretary

Confirmed,

Chairman

Wednesday, December 14, 1977.

APPENDIX 'A'

New Awards recommended to Senate

The Phillips, Hager & North Ltd., Graduate Bursary - A bursary of $1,000, the gift of Phillips, Hager & North Ltd., is offered annually to a graduate student in Commerce. The award will be based firstly on the financial circumstances of those eligible and secondly on their academic standing. The bursary is to be awarded on the recommendation of the Faculty, and at their discretion the total amount may be divided into two awards.

The Upjohn Award in Medicine - This award consisting of $150 and an engraved plaque, has been made available by the Upjohn Company of Canada, and will be given to a graduating student in the Faculty of Medicine. The award, which is to be made on the basis of academic proficiency, will be made on the recommendation of the Faculty.

Wednesday, December 14, 1977.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES

Commerce

New courses	Commerce 503 (1½) Housing Markets and Government Housing Policy Commerce 504 (1½) Real Estate Assessment and Taxation Commerce 506 (1½) The Real Property Development and Redevelopment Process

Education

Changes	Education 513 - change in title and prerequisites Education 515, 526, 568, 573 - change in prerequisites

Germanic Studies

Deletion	Germanic Studies 508

Mechanical Engineering

New course	Mechanical Engineering 574 (1) Special Topics in Solar Energy Utilization

Psychology

Changes	Psychology 520 (3) - divided into two courses, now:- Psychology 520 (1½) Operant Conditioning Psychology 522 (1½) Comparative Psychology of Behavioural Adaptations

Slavonic Studies

Deletion	Slavonic Studies 541

FACULTY OF SCIENCE

Biochemistry

New courses	Biochemistry 302 (1½) Biochemistry 303 (3) Biochemistry
Changes	Biochemistry 300 - change in description

Changes in Major Biochemistry Program

In the second year of the program, add Biology 201 and reduce the electives from 3 to 1½ units. In the third year of the program, change Biochemistry 300 to Biochemistry 303.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF SCIENCE

Biochemistry (continued)

Changes in Honours Biochemistry Program

In the second year of the program, add Biology 201, reduce the Science elective to 1½ units and increase the total units from 17 to 18. In the third year of the program, change Biochemistry 300 to Biochemistry 303. In the fourth year of the program, remove Chemistry 411 and decrease the total unit requirement from 17½ to 16½.

Biology

New course	Biology 444 (3) Recent Advances in Biology
Changes	Biology 200 - change in description and hours 201 - change in description and title

Changes to statements regarding Biology programs as a result of changes in Biochemistry courses:

1. P. 190 Options - Third and Fourth Year
   II Genetics

   Major: Change Biochemistry 300 (3) to Biochemistry 302 (1½) and Electives (12) to Electives (13½).

   Honours: Change Biochemistry 300 (3) to Biochemistry 302 (1½) and "Electives selected in consultation ..." from (15) to (16½).

2. P. 190 Recommended Electives - Third and Fourth Years.
   Group I. Cell Biology

   Line 2: Change Biochemistry 300 (3) to Biochemistry 302 (1½)

   Group III. General Biology

   Line 2: Change Biochemistry 300 (3) to Biochemistry 301 (1½), 302 (1½).

   Group V. Marine Biology

   Line 3: Change Biochemistry 300 (3) to Biochemistry 302 (1½).

Change in calendar statement concerning Placement Examination - addition of Biology 12

Botany

New courses	Botany 416 (1½) Physiology and Biochemistry of Fungi 430 (1½) Plant Development
Changes	Botany 409 - change in description and title 437 - change in description and hours
Deletion	Botany 438

Wednesday, December 14, 1977.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF SCIENCE (continued)

Chemistry

Changes in Combined Biology and Chemistry Honours:

In the fourth year of the program, change Biochemistry 300 to Biochemistry 303

Changes in Combined Biochemistry and Chemistry Honours

In the second year of the program, add Biology 201 and decrease the electives from 4½ to 3 units. In the third year of the program, change Biochemistry 300 to Biochemistry 303.

Computer Science

New courses	Computer Science	220 (1½)	Introduction to Discrete Structures
	Computer Science	413 (1½)	Introduction to Microprogramming
Changes	Computer Science	404 - change in title and description	
		420 - change in description	

Program changes:

Computer Science 220 has been incorporated into the Major Computer Science, Honours Computer Science, Combined Honours in Computer Science and Mathematics, and Combined Honours in Computer Science programs.

Delete calendar statement describing "Emphasis in Applied Computation"

Addition of statements regarding electives under the old program "Requirements for the B.Sc. degree":-

Recommended courses include MATH 300 (3), 305 (1½), 306 (1½), 307 (1½), 315 (1½), 316 (1½), 318 (3), 340 (1½), 344 (1½), 345 (1½), 400 (3), 405 (3), 407 (1½), 426 (3), 480 (1½).

In particular, attention is called to the following courses outside the Faculties of Arts and Science, for which credit will be granted: COMM 356 (3), 410 (1½), 411 (1½), 450 (1½), 459 (3), 510-516 (1½ each); ELEC 256 (1½), 358 (1½), 364 (1½).

Geological Sciences

Change Geology 330 - change in description

Geophysics and Astronomy

Program changes:

Honours Geophysics - third year

Change: Mathematics 301 (or Mathematics 315 and 316 or Mathematics 315 and Physics 312)

to: Mathematics 315/316 (or Mathematics 315 and Physics 312)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF SCIENCE

Geophysics and Astronomy

Program changes: (continued)

Honours Geology and Geophysics - third year

Change: Mathematics 301 (or 315/316, or 315 and Physics 312)

to: Mathematics 315/316 (or Mathematics 315 and Physics 312)

Mathematics

Changes Mathematics 202 and 315 - change in description
301 - change in description and prerequisites

Microbiology

Changes Microbiology 321, 324, 325, 405, 409 - change in prerequisites and corequisites

Program changes:

Change in Honours Microbiology Program

In the third year of this program replace Biochemistry 300 with Biochemistry 302 and increase the Science electives from 4½ to 6 units.

Change in Major Microbiology Program

In the third year of this program replace Biochemistry 300 with Biochemistry 302 and increase the Elective from 1½ to 3 units.

Physiology

Change in Honours Program

In the third year of this program change the Biochemistry 300 requirement to Biochemistry 302 and increase the Arts or Science elective from 3 to 4½ units.

Psychology

Change in Major and Honours Program

Add Biochemistry 302 to the list of courses under "Six units from" in the third year of the Major and Honours program.

Zoology

New course Zoology 430 (1½) Field Course in Animal Ecology

Wednesday, December 14, 1977.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF SCIENCE

Zoology (continued)

Changes	Zoology	404 and 303 - change in description
		307 and 420 - change in description, title and hours
		428 - change in hours
		407, 417 and 425 - change in description, title, units and hours
		427 - change in title and pre- or co-requisite
		304 and 405 - change in prerequisites
Deletion	Zoology 314	