Wednesday, October 12, 1977.

The Second regular meeting of the Senate of The University of British Columbia for the Session 1977-78 was held on Wednesday, October 12, 1977 at 8.00 p.m. in the Board and Senate Room.

Present: President D. T. Kenny (Chairman), Dean J. H. M. Andrews, Mrs. M. F. Angus, Mr. T. Bell, Dr. C. S. Belshaw, Ms. J. P. Blandford, Dr. C. B. Bourne, Dr. K. T. Brearley, Mr. D. M. Brousson, Dr. T. H. Brown, Rev. P. C. Burns, Mr. N. F. Chang, Mr. W. Chow, Dr. J. D. Dennison, Miss L. R. Erdman, Mrs. F. Field, Dean W. D. Finn, Dr. C. V. Finnegan, Dean E. M. Fulton, Dean J. A. F. Gardner, Mr. B. Gilfillan, Mr. R. H. Goodwin, Dr. R. F. Gray, Dr. T. D. Heaver, Mr. A. Hedstrom, Dr. R. H. Hill, Dr. J. M. Houston, Miss W. J. Hudson, Dr. L. D. Jones, Mr. R. O. Joseph, Miss A. M. Katrichak, Dr. L. Kraintz, Mr. J. Kulich, Mrs. W. T. Lane, Dean P. A. Larkin, Dean P. A. Lusztig, Dean K. M. Lysyk, Miss E. McCann, Mrs. H. McCrae, Dr. D. J. MacDougall, Mr. J. M. MacIntyre, Mr. A. O. McNeil, Dr. J. H. McNeill, Mr. J. F. McWilliams, Rev. J. P. Martin, Mr. R. F. Osborne, Dr. P. H. Pearse, Mrs. M. L. Peters, Dean B. E. Riedel, Mr. W. A. Rodgers, Dr. V. C. Runeckles, Dr. S. O. Russell, Mr. P. Sandhu, Dr. R. F. Sharp, Vice-President M. Shaw, Dr. R. A. Shearer, Dr. J. G. Silver, Dr. J. K. Stager, Mr. G. A. Thom, Dean G. M. Volkoff, Mr. E. Warren, Dean W. A. Webber, Mr. R. S. Whyte, 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, Dr. D. H. Copp, Mr. C. K. Cramer, Dr. B. A. Dunell, Dean W. D. Kitts, Dr. C. A. McDowell, Dr. H. Mitchell, Dr. B. N. Moyls, Mrs. N. B. Noble, Dr. M. E. Prang, Dr. J. F. Richards, Miss C. L. V. Warren.

Minutes of the previous meeting

Dr. Pearse)
Dr. Gray)

That the minutes of the First regular meeting of Senate for the Session 1977-78, having been circulated be taken as read and adopted.

Carried

Senate Membership

Declaration of vacancies

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

Student representative of the Faculty of Commerce and Business Administration to replace Mr. G. R. Moore.

The Chairman announced that Mr. R. H. Goodwin would be replacing Mr. Moore for the remainder of the term ending March 1978.

Replacements for vacancies declared at the previous meeting

Faculty members at-large
Dr. R. A. Shearer, Department of Economics, to replace Dr. R. M. Clark
Miss W. J. Hudson, School of Rehabilitation Medicine, to replace Dr. M. F. McGregor

Representative of the Faculty of Applied Science
Miss E. McCann, School of Nursing to replace Dr. M. Uprichard

Representative of the Faculty of Arts
Dr. J. L. Wisenthal, Department of English, to replace Dr. P. Suedfeld

Faculty of Commerce and Business Administration Representatives
Dr. L. D. Jones replacing Dr. R. F. Kelly
Dr. T. D. Heaver replacing Dr. P. A. Lusztig

Representative of the Faculty of Dentistry
Dr. J. G. Silver replacing Dr. M. J. A. Smith

Representative of the Faculty of Law
Mr. J. M. MacIntyre replacing Mr. A. F. Sheppard

Student representative at-large

Senate was informed that Mr. A. Hedstrom would fill the vacancy for the representative of the students at-large.

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) Revision of regulations on admission and supplemental examinations for the B.Com. degree program (P.6863-4)

(ii) Closing date for applications for admission to the Faculty of Law to be set at March 31, commencing with the academic year 1978/79 (P.6867)

Committee on Prizes, Scholarships and Bursaries

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

Carried

Reports of Committees of Senate

Curriculum Committee (See Appendix 'B')

Dr. Runeckles presented the report. The committee recommended approval of course changes submitted by the Faculty of Dentistry, new courses and course changes submitted by the Faculty of Education, and curriculum changes submitted by the Faculty of Forestry.

Dr. Runeckles)
Dr. Kraintz) That the proposals submitted by the Faculties of Dentistry, Education and Forestry be approved.

In amendment:

Dr. Belshaw)
Dr. Pearse) That the course Education 395 Group Study Tour be referred back to the Senate Curriculum Committee.

The criticism of the description was its lack of specificity in terms of the academic requirements of the course.

The amendment was put and carried.

The motion, as amended, was put and carried.

Nominating Committee

Dr. Bourne presented the report. The committee nominated the following persons to fill vacancies on Senate committees:-

Academic Building Needs
Dr. J. D. Dennison - replacing Dr. P. Suedfeld
Mr. W. Chow - replacing Mr. D. Byl
Mr. B. Gilfillan - replacing Mr. G. R. Moore

Academic Discipline
Dean P. A. Lusztig - replacing Dr. S. W. Hamilton

Admissions
Dr. T. D. Heaver - replacing Dr. R. M. Clark

Reports of Committees of Senate

Nominating Committee (continued)

Agenda		
Miss E. McCann	-	replacing Dr. M. F. McGregor
Dr. P. H. Pearse	-	replacing Mr. A. F. Sheppard
Miss L. R. Erdman	-	replacing Mr. D. C. Bulger
Budget		
Dr. R. A. Shearer	-	replacing Dean P. A. Lusztig
Curriculum		
Dr. L. D. Jones	-	replacing Dean P. A. Lusztig
Mr. J. M. MacIntyre	-	replacing Mr. A. F. Sheppard
Dr. J. L. Wisenthal	-	replacing Dr. P. Suedfeld
Extracurricular Activities		
Dr. T. D. Heaver	-	replacing Dr. M. J. A. Smith
Nominating		
Mr. E. Warren	-	replacing Mr. G. R. Moore
Tributes		
Dean W. A. Webber	-	replacing Dean D. V. Bates
Mrs. M. L. Peters	-	replacing Mr. G. R. Moore
Library		
Rev. P. C. Burns	-	replacing Dr. M. F. McGregor
Mr. R. T. Franson	-	replacing Dr. R. F. Gosse
Dr. L. D. Jones	-	replacing Dr. R. F. Kelly
Vancouver School of Theology		
Dr. S. O. Russell	-	replacing Dr. R. M. Clark
Regent College Senate		
Dr. T. H. Brown	-	replacing Dr. R. M. Clark
Implementation of the Universities Act		
Dean K. M. Lysyk	-	replacing Mr. A. F. Sheppard
Standards in English		
Dr. R. McConnell	-	replacing Dr. T. R. Bentley
Mr. D. P. Hamilton	-	replacing Mr. D. C. Bulger
Teaching Evaluation 1976		
Dr. R. F. Gray	-	replacing Dr. P. Suedfeld

Dr. Bourne)
Mr. Osborne) That the recommendations of the Nominating Committee be approved.

Carried

Reports of Committees of Senate (continued)

Committee on Bachelor of Medical Laboratory Science Degree (See Appendix 'C')

Dean Riedel presented the report. As stated in the report, Senate at its meeting of March 23, 1977, considered a proposal to offer a Bachelor of Medical Laboratory Science Degree for students who had graduated from an approved Institute of Technology. Concern was expressed regarding the academic standards of students transferring from a technical program into a university program and some members had felt that the proposal should be studied more carefully. Senate approved a motion that the proposal be referred to a special group to be appointed by the Senate Nominating Committee.

The concerns expressed about the program at that time were:-

1) that academically it was a very narrowly based program, building on a technical school program, equating a year at a technical school with a year at university, and not open to other university students;

2) that the academic background of the students, particularly in Chemistry, was lacking.

The committee, subsequently established by Senate, had re-examined the proposal in depth and agreed to recommend approval of the program with certain modifications.

The impetus for the proposed program came from the British Columbia Society of Medical Technologists in a letter to President Kenny in 1975 expressing a wish on the part of many members of the organization for the opportunity to work towards a degree. A committee set up in the Faculty of Medicine studied the educational needs of these technologists and recommended that a program leading to the degree of B.M.L.Sc. be proposed. The academic objective of the program was to enable an individual with a professional technological qualification to enter the academic scientific community and add to his or her qualifications the necessary theoretical background. It was expected that graduates would be employed in large hospitals to develop and test new methodology and to teach medical technologists, employed as research assistants, or employed in government testing laboratories and in industry. The program was designed to produce a special type of biological scientist who would work in a medically oriented laboratory.

The committee was satisfied as to the philosophic intent of the program; the desirability that individuals be able to continue their education and not find themselves in a dead end; and that the program was of significance in relation to a need in the community. In the revised form in which the program was now being recommended to Senate the committee was satisfied that the program maintained desirable academic standards and offered opportunities for entrance directly through Science as well as through the technological background route.

Reports of Committees of Senate

Committee on Bachelor of Medical Laboratory Science Degree (continued)

The program (as outlined in Appendix 'C') is that which was before Senate earlier with the following modifications:-

1) Chemistry 205 and Chemistry 230 (or equivalent in each case) have been added as prerequisites.

2) A route into the program from Science has been proposed.

3) The chemistry courses, Chemistry 311 and 321, have been added to the program of the Third Year.

4) The course, Pathology 301, has been reduced from a 4-unit course to a 2-unit course. This is possible because the addition of Chemistry 205 and 230 as prerequisites has resulted in chemistry material being deleted from this course.

As far as the proposed route for students entering from Science was concerned it would be necessary for the proposed new courses in Pathology required to prepare students by this route to be presented in the regular manner through the appropriate curriculum committees. It would also be necessary for discussions to take place between the Faculty of Medicine and the Faculty of Science with respect to the form of the Second Year. It was therefore not possible for the committee to make a definitive recommendation on the Science route into the program.

Dean Riedel)
Dr. Runeckles) That the proposal of the Faculty of Medicine to offer a Bachelor of Medical Laboratory Science degree be approved.

Carried

Committee to review the Postgraduate (Residency) Training Programs of the Faculty of Medicine

Dr. MacDougall presented the report, which contained the following recommendations:-

" Recommendation 1

That the Senate approve the Postgraduate (Residency) Training Programs listed at the Senate meeting on April 23, 1975.

At its meeting on April 23, 1975, the Senate received a report from the Senate Curriculum Committee that the then current offerings should be listed in the Calendar but that a Senate Committee be struck to review the entire aspect of the Postgraduate (Residency) Training Programs.

The Committee has reviewed these programs. It was aware, in its deliberations, that, except for the residency in Family Practice, all of the programs had been approved by the Royal College of Physicians and Surgeons as well as the Faculty of Medicine. Nevertheless, the Committee recognized its responsibility to make an independent judgment. It is our view that the programs describe courses properly offered by this University and that this committee agrees with Senate's earlier decision to list the offerings and approve the programs.

Reports of Committees of Senate

Committee to review the Postgraduate (Residency) Training Programs of the Faculty of Medicine

Recommendation 1 (continued)

One major concern of the Committee was the broader implications of a decision to approve the various postgraduate (residency) training programs. We note that the University's involvement in these programs has been growing to the stage where the postgraduate (residency) training programs absorb more faculty time than the undergraduate program. We see no sign that this trend will be arrested or reversed. Nor indeed would we wish it to be. We think it entirely proper that the Faculty of Medicine should be involved in, and largely responsible for, the academic quality of these programs.

Recommendation 2

That changes in the Postgraduate (Residency) Training Programs should be reported to Senate for discussion and approval.

The Committee considered the possibility of increased co-operation between the Faculty of Medicine and other Faculties in the various postgraduate residency programs. Unfortunately, the physical separation of the teaching hospitals from the University makes such co-operation generally impractical.

Because the postgraduate (residency) training programs involve the use of facilities (the teaching hospitals) under independent control, we considered whether it would be desirable to set up some mechanism to review periodically the practical problems of offering residency programs of appropriate quality. In fact, the Royal College of Physicians and Surgeons reviews such programs every five years. Moreover, the Faculty of Medicine has established a Faculty Residency Committee which is responsible for the various residency programs. It is our view that a further reviewing agency would serve no useful purpose and that the responsibility for maintaining appropriate standards in the various programs properly rests with the Faculty of Medicine which will report to the Senate any problems it encounters.

Recommendation 3

That students enrolled in the postgraduate residency programs should be registered with the University and pay appropriate fees.

Technically, students in the postgraduate (residency) training programs are already required to register with the University. When this sytem was first introduced there were some uncertainties and delays but the registration system is now working well. Obviously proper registration of the students in the program is of critical importance as the University is assuming responsibility for the academic quality of the training programs.

In two other provinces (Alberta and Quebec) students registered in the residency programs pay significant fees which are, however, repaid by the government. In other provinces the fees are nominal. At the University of B.C., for example, the fees are currently $20.00. In our view the formal recognition of the postgraduate (residency) training programs carries with it a concomitant obligation to insist on the payment of appropriate University fees. We recognize that the fees will be a very small percentage of the total cost of the postgraduate

Reports of Committees of Senate

Committee to review the Postgraduate (Residency) Training Programs of the Faculty of Medicine

Recommendation 3 (continued)

(residency) training programs and that the imposition of such fees will result in negotiations between the government, the teaching hospitals and the residents about the proper remuneration of residents. We would favour a system like that in operation in Alberta and Quebec where the student pays significant fees which are later refunded by the government.

We believe, however, that the imposition of reasonable university fees is appropriate and that it may have a salutary effect in emphasizing to the residents the role of the University in their continuing education. "

Recommendation 1

Dr. MacDougall)
Dr. Hill)

That the Postgraduate (Residency) Training Programs listed at the Senate meeting on April 23, 1975 be approved.

Carried

Recommendation 2

Dr. MacDougall)
Dr. Kraintz)

That changes in the Postgraduate (Residency) Training Programs be reported to Senate for discussion and approval.

Carried

Recommendation 3

Dr. MacDougall)
Dr. Kraintz)

That students involved in the postgraduate residency programs be registered with the University and pay appropriate fees.

In reply to a query it was confirmed that this was a recommendation to the Board of Governors since it was not within the jurisdiction of Senate to assess fees.

The motion was put and carried.

Report of the President's Committee on Interior Programs

Dr. Shearer, Chairman of the President's Committee on Interior Programs, presented a verbal report on the University's proposal to offer degree programs in the Interior.

Senate was informed that the committee had prepared two sets of proposals following intensive campus-wide consultations. The first set of proposals was for the University's involvement in Interior programs in 1977-78 and the second set of proposals was for longer term plans.

Report of the President's Committee on Interior Programs (continued)

A substantial proportion of the proposals for 1977-78 which were put before the Interior University Programs Board received funding. These were mainly proposals for funding to guarantee the offering of certain Education courses that might otherwise not be offered because of small enrolment; funding to improve the quality of the correspondence courses and the extension of non-credit work in Commerce and a few other professional faculties partly through the Centre for Continuing Education.

The Interior University Programs Board also agreed to provide subsidies for approximately thirty credit courses in the Faculty of Education to be offered in the interior of the province, and subsidies to a large number of professional development courses in Education. They have agreed to provide funding to equalize the cost to students of a number of Engineering professional development courses; funds to improve communication between students and teachers involved in the independent study correspondence courses; funds to take the Diploma Program in Education of Young Children to the interior of the Province; funds to study the professional development needs of Foresters; funds to permit the offering of a number of non-credit courses by the Faculty of Commerce and Business Administration, and recently the board recommended to the Universities Council funds for the Faculty of Medicine to put on public health forums via the Hermes satellite.

Referring to the longer term proposals Dr. Shearer stated that the committee had put forward proposals built on certain very basic principles which it was felt reflected a deep and sincere commitment on the part of the University to provide the highest possible quality education to all residents of the province.

The committee took the view that the educational facilities to be developed in the interior of the province should reflect the educational preferences, needs and requirements of the interior residents as documented by the Winegard Commission and as they have been revealed by enrolment patterns with regard to students from the interior.

The committee also took the view that it would not regard the interior of the province essentially as an educational laboratory for carrying out educational experiments. The University would provide to the residents of the interior of the province U.B.C. degree programs of an established, proven and approved type, widely recognized for their quality and content.

The committee recognized that programs offered in the interior would be more costly per student than programs offered at U.B.C., partly because of low enrolment, partly because of inherently higher costs for certain activities.

Report of the President's Committee on Interior Programs (continued)

It was proposed that one or two university centres would be established, at locations not yet specified, each offering upper year courses in Arts, professional year work in Education, and some work in a few professional fields. Programs in Science were not being proposed at this time because of financial constraints.

It was also noted that the committee was not proposing programs in a wide range of professional faculties, again because of the financial constraint and certain other technical difficulties. It was proposed that the university centres would be at community colleges although, of course, administratively separate from the colleges. Each of these centres would have its own resident faculty. The faculty would be selected by and appointed to departments at this University but they would hold their appointment in that University centre unless, as it was hoped would happen in some cases, they are seconded from the departments at U.B.C. Library facilities would be established which were adequate by U.B.C. standards to put on the courses in question.

It was proposed that the Faculty of Arts at these centres would have 6 to 8 departments with, after a period of time, three faculty members per department. At each of the centres there would also be a small Faculty of Education which would be involved with the professional year for graduates holding a Bachelor's degree, plus a two-year Bachelor of Education elementary program. Initially there would be some small involvement by the School of Social Work and the Faculty of Commerce and Business Administration which it was hoped would develop into a substantial program.

Dr. Shearer explained that the proposals had been submitted to the Interior University Programs Board, which is an adjunct of the Universities Council. The Board in turn would make recommendations to the Universities Council for its consideration and ultimately recommendation to the government. The Board had scheduled meetings in October and November at which proposals from U.B.C., Simon Fraser University and the University of Victoria would be discussed.

Triennial Elections of representatives to the Board of Governors and the Senate

The Registrar presented the following report and recommendations concerning the forthcoming elections:-

Board of Governors:

(i) The Registrar shall conduct the elections.

(ii) Each candidate shall be nominated in writing, the nomination to be signed by seven persons entitled to vote in the election of the Board of Governors and by the nominee indicating willingness to run for election, and the nomination shall be sent to the Registrar.

Triennial Elections of representatives to the Board of Governors and the Senate

Board of Governors: (continued)

(iii) Each nominee shall be requested to supply a brief curriculum vitae and permitted to include a further statement of up to 150 words which will be circulated with the ballot papers.

(iv) The elections shall be conducted by mail ballot to campus addresses.

(v) The election schedule shall be as follows:-

Faculty membership

- call for nominations Tuesday, October 18, 1977.
- closing date for nominations, 4.00 p.m., Friday, November 4, 1977.
- Election date, Friday, December 2, 1977.

Non-Faculty full-time employees

- call for nominations, Monday, October 31, 1977.
- closing date for nominations, 4.00 p.m., Wednesday, November 16, 1977.
- Election date, Wednesday, December 14, 1977.

(vi) The election of Faculty members to the Board of Governors will be conducted by preferential voting. Voters will be required to rank ALL candidates in order of preference. No tie rankings will be permitted. Ballots will be machine counted in the Computing Centre. The candidates elected will be the two with the lowest total numbers of recorded preferences. Ballots will be considered invalid unless all candidates are ranked.

Senate

Election of Chancellor and Convocation Representatives to Senate

(i) The Registrar shall conduct the elections.

(ii) All nominations of candidates for the office of chancellor shall be signed by seven persons entitled to vote in the election.

(iii) All nominations of candidates for membership in the senate shall be signed by three persons entitled to vote in the election.

(iv) All nominations for election of candidates for the office of chancellor and for membership in the senate shall require the signature of the nominee indicating willingness to run for election.

(v) "The registrar shall forthwith send a written notice of nomination to each person nominated as a candidate for the office of chancellor and to each person nominated as a candidate for membership in the senate, with a request that the candidate forward to the registrar information respecting his degrees, the dates thereof, his occupation, offices held by him at a university or in any other organization, his other professional or business interests, and his publications." (Universities Act, Section 15 (3))

Triennial Elections of representatives to the Board of Governors and the Senate

Senate

Election of Chancellor and Convocation Representatives to Senate (continued)

(vi) The election of convocation members be scheduled and regulated as follows:

(a) that this election include the election of a chancellor;

(b) that the notice of the election and call for nominations be made in the copy of UBC Reports which is distributed about October 30, 1977;

(c) that the closing date for nominations for chancellor and for membership in the senate be 4.00 p.m. on Friday, December 2, 1977;

(d) that the election date be Friday, February 24, 1978.

(vii) In the event that after the close of nominations but before the election date it is found that a nominee for the office of chancellor could not serve if elected, the registrar be authorized, if so instructed by the chairman of Senate, to delay the election and issue another call for nominations.

(viii) The voting papers be designed to permit machine tabulation of the election results.

(ix) The results of the election, in accordance with Section 17 of the Universities Act, will be reported to the Senate at its next regular meeting, namely March 22, 1978.

Election of Faculty members at-large

(i) The Registrar shall conduct the election.

(ii) Each candidate shall be nominated in writing, the nominations to be signed by three 'faculty members'.

(iii) The election schedule shall be as follows:

- call for nominations, Tuesday, February 7, 1978.
- closing date for nominations, 4.00 p.m. on Tuesday, February 21, 1978.
- Election date, Tuesday, March 21, 1978.

Elections of Faculty members from individual Faculties

Individual Faculties will make their own decisions on the procedures and timing of the election of their two representatives to serve on Senate on the understanding that all elections be completed by March 31, 1978. Such elections may be held at Faculty meetings subject to the terms of the Universities Act (i.e. those participating in the elections must be 'faculty members' as defined below and must belong to the Faculty concerned).

General provisions

Eligibility

'Faculty members' eligible to participate in elections of representatives to serve on the Board of Governors and the Senate shall be only those persons who, at the time the nominations are called, hold full-time board appointments (which they have held for four months or longer) at the ranks of lecturer, instructor, assistant professor, associate professor or professor.

Triennial Elections of representatives to the Board of Governors and the Senate

General provisions (continued)

Nominations

In some elections the Registrar publishes the names of the nominators in the information provided to electors. Where more signatures than are required are submitted in support of a particular candidate, the Registrar will publish only the minimum number of names required. Only one nomination will be accepted for each candidate in any one election.

Results

Where appropriate results will be machine counted.

Dates for Student Elections to Governing Bodies

The following elections are required annually:

Board of Governors (Universities Act Section 20 (e))

"Two students elected by and from the Student Association"

Senate (Universities Act Section 35 (2) (h))

"a number of students, equal to the number provided in clauses (a) to (f), (currently seventeen), elected by and from the Student Association in a manner that ensures that at least one student from each faculty is elected;"

Senate at its meeting of November 12, 1975, agreed that these elections be conducted annually in the following manner:

- the calls for nominations be mid-November
- the close of nominations on the last day of the first term
- the voting to be completed by the end of January
- those elected to the Board of Governors to take office at the first Board meeting on or after February 1
- those elected to Senate to take office at the first meeting of Senate on or after April 1

Recommendations for 1977 Elections

That the elections for student representatives to the Board of Governors and the Senate in this Academic Year be as follows:-

- call for nominations in The Ubyssey, Friday, November 18, Tuesday, November 22 and Thursday, November 24, 1977
- close of nominations, 4.00 p.m., Tuesday, December 20, 1977
- election date, Wednesday, January 18, 1978

Triennial Elections of representatives to the Board of Governors and the Senate

Recommendations for 1977 Elections (continued)

- advance polls 5.00 p.m. to 7.00 p.m. Tuesday, January 17, 1978
- polling, Wednesday, January 18, 1978, 10.00 a.m. to 4.00 p.m.
- students may not vote without their A.M.S. cards as proof of identity
- the results of these elections will not be announced until at least 48 hours after the close of balloting and will not be considered official until they have been announced in writing by the Registrar.

Dr. Gray)
Dean Gardner) That the recommendations of the Registrar concerning elections be approved.

Carried

Faculty of Medicine

Senate agreed to the recommendation of the Agenda Committee that a proposal for additional prerequisites for entrance to Medical school be referred to the Senate Admissions Committee.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

The following statements of affiliation between The University of British Columbia and St. Paul's and Shaughnessy Hospitals had been circulated:-

St. Paul's Hospital

Introduction

Recognizing the aim of St. Paul's Hospital to provide the highest possible quality of patient care, and the aims of the University of British Columbia to provide the highest possible standards of education and research in the health sciences, and that these two purposes can lend support to one another, the Board of Trustees of St. Paul's Hospital and the Board of Governors of the University of British Columbia affirm the following statement of affiliation which, it is believed, will enhance the objectives of both institutions.

This document constitutes a general affiliation agreement. The specific arrangements will be included in appendices to it.

Joint Representation

1. It is agreed that all those members of the staff of St. Paul's Hospital who are assigned regular teaching assignments, will hold appropriate faculty rank and will participate in a manner appropriate to such rank in the decision-making processes of the University Department concerned and of the Faculty of Medicine, particularly in such matters as those affecting promotion, budget distribution, and organization of teaching.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

St. Paul's Hospital

Joint Representation (continued)

2. It is agreed that if no member of the teaching staff of St. Paul's Hospital is, by the normal process, elected to serve on the executive of the Faculty of Medicine, then the teaching faculty of St. Paul's Hospital shall have the right to elect one of their number to serve on the executive of the Faculty of Medicine.

3. It is agreed that the Dean of the Faculty of Medicine or his representative from the Faculty of Medicine shall serve on the Medical Advisory Committee of St. Paul's Hospital.

4. It is agreed that the Executive Director of St. Paul's Hospital or his delegate shall be a member of the Health Sciences Coordinating Committee of the University of British Columbia.

5. It is agreed that the President of the University of British Columbia shall be entitled to recommend an appropriate nominee to serve on the Board of Trustees of St. Paul's Hospital.

Heads of Clinical Departments and Divisions

6. It is agreed that, where a teaching program is carried out by a department and/or division at St. Paul's Hospital, the chairman of the department and/or the director of the division at St. Paul's Hospital shall be appointed or reappointed by formal joint agreement between St. Paul's Hospital and the University of British Columbia.

7. It is agreed that the chairmen of clinical departments at St. Paul's Hospital shall normally hold geographic full-time appointments in the Faculty of Medicine, and that the policy shall be to ensure that such appointments carry an appropriate component of salary from the academic budget of the University.

8. It is agreed that the chairman of a clinical department or director of a clinical division at St. Paul's Hospital, whether or not he be head of the academic and clinical department or division at the University, shall be responsible to St. Paul's Hospital for the quality of care given by all categories of medical staff within his department or division for all patients, and to the University of British Columbia for the quality of the educational programs and research activities of his department or division.

Appointments

9. It is agreed that the final determination in respect to appointment of the medical staff of St. Paul's Hospital rests with the Board of Trustees of St. Paul's Hospital, and that the final decision in respect of a faculty appointment rests with the Board of Governors at the University of British Columbia. It is further agreed that neither party to this agreement shall withdraw an academic or a hospital appointment without prior consultation with the other party.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

St. Paul's Hospital

Appointments (continued)

10. It is agreed that for all new members of the active staff of St. Paul's Hospital to be appointed to departments involved in teaching, the head of the university department concerned shall be consulted in advance concerning the recommendation for a faculty position.

Continuing Education

11. The hospital may designate members of the health science faculties who shall be responsible for the organization of continuing education programs in their respective professions. Such designated members of the staff shall be members of the appropriate committee responsible for continuing education in the health sciences at the University of British Columbia, and programs of continuing education will be structured collaboratively between St. Paul's Hospital and the Division of Continuing Education in the Health Sciences of the University of British Columbia.

Resident Education

12. It is agreed that for all residency programs within St. Paul's Hospital the department or division program director of St. Paul's Hospital will join with the department or division program director of the Faculty to select residents and plan their rotation amongst the participating hospitals. It is also agreed that residency programs which are to be conducted wholly within St. Paul's Hospital, and which require recognition by the Royal College of Physicians and Surgeons of Canada or the College of Family Physicians of Canada, shall be subject to agreement between St. Paul's Hospital and the designated University Program Director.

    A representative of St. Paul's Hospital administration and individual program directors of residency training programs shall be ex officio members of the Faculty Residency Committee.

Medical Student Education

13. It is agreed that decisions concerning medical undergraduate teaching shall be the responsibility of the head of the appropriate department in St. Paul's Hospital, or his delegate, acting together with the appropriate head of the University department, or his delegate.

Clinical Teaching

14. It is agreed that all patients admitted to St. Paul's Hospital will be available for teaching, subject to the discretion of the physician in charge of the patient and with the agreement of the patient concerned.

Quality of Patient Care

15. It is agreed that the responsibility for the quality of patient care at St. Paul's Hospital rests with the Board of Trustees and therefore the determination of which clinical services it shall or shall not provide is the responsibility of the hospital.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

St. Paul's Hospital

Quality of Patient Care (continued)

The development of programs of exemplary patient care, education and research is only possible when facilities are excellent and personnel are of the highest quality. St. Paul's Hospital and the University of British Columbia agree therefore to make every reasonable effort to maintain such facilities and personnel considered to be essential to the quality of services to the patient and to programs of education and research.

Research

16. It is agreed that it shall be the policy of the University of British Columbia and St. Paul's Hospital to encourage the development of appropriate research programs at St. Paul's Hospital. It is understood that in the conduct of all research, St. Paul's Hospital and the University of British Columbia have the right and the responsibility to require that due and proper regard be given to the personal rights, safety and wishes of the patient, and the ethics of the research conducted. Accordingly, all research must conform to the policies both of St. Paul's Hospital and of the University of British Columbia.

Funding

17. It is agreed that the policy shall be that the allocations of academic funds made to St. Paul's Hospital will be commensurate with its general academic responsibility, and that St. Paul's Hospital and the University of British Columbia will collaborate in discussions involving such issues as negotiation of arrangements for the funding of faculty, the funding of support staff and funding of educational facilities within the hospital.

18. It is agreed that for the duration of this affiliation agreement, the University of British Columbia and St. Paul's Hospital agree to join in discussions with the Provincial Government regarding operational funding of education and educational support components within St. Paul's Hospital.

Amendment of Agreement

19. This agreement may be amended at any time by mutual agreement between the University of British Columbia and St. Paul's Hospital. The University of British Columbia or St. Paul's Hospital may terminate this agreement as of the thirtieth day of June in any year by giving to the other party notice in writing of this intention to terminate at least twelve calendar months prior to the date of termination.

20. The Board of Trustees of St. Paul's Hospital and the Board of Governors of the University of British Columbia recognize that this agreement and the operation of this agreement should be subject to prompt review and joint discussion at the request of either party.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals (continued)

Shaughnessy Hospital

Introduction

Recognizing the need of Universities to secure for students that clinical teaching which can best be provided in a Hospital and the desire of Hospitals to obtain the benefits that accrue from participating in an organized teaching and research program, the Board of Trustees of Shaughnessy Hospital and the Board of Governors of the University of British Columbia affirm the following general statement of affiliation in the belief that it is in accordance with the objectives of both institutions. The specific arrangements will be included in mutually acceptable appendices.

Joint Representation

1. It is agreed that all those members of the staff of Shaughnessy Hospital who are assigned regular teaching assignments, will hold appropriate faculty rank and will participate in a manner appropriate to such rank in the decision-making processes of the University Department concerned and of the Faculty of Medicine, particularly in such matters as those affecting promotion, budget distribution, and organization of teaching.

2. It is agreed that if no member of the teaching faculty of Shaughnessy Hospital is, by the normal process, elected to serve on the executive of the Faculty of Medicine, then the teaching faculty of Shaughnessy Hospital shall have the right to elect one of their number to serve on the executive of the Faculty of Medicine.

3. It is agreed that the Dean of the Faculty of Medicine or his representative from the Faculty of Medicine shall serve on the Medical Advisory Committee of Shaughnessy Hospital.

4. It is agreed that the Executive Director of Shaughnessy Hospital or his delegate shall be a member of the Health Sciences Coordinating Committee of the University of British Columbia.

5. It is agreed that the President of the University of British Columbia shall be entitled to recommend an appropriate nominee to serve on the Board of Trustees of Shaughnessy Hospital.

Heads of Clinical Departments and Divisions

6. It is agreed that, where a teaching program is carried out by a department and/or division at Shaughnessy Hospital, the Head of the department and/or the Head of the division at Shaughnessy Hospital shall be appointed or reappointed by formal joint agreement between Shaughnessy Hospital and the University of British Columbia.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

Shaughnessy Hospital

Heads of Clinical Departments and Divisions (continued)

7. It is agreed that the Heads of departments at Shaughnessy Hospital shall normally hold geographic full-time appointments in the Faculty of Medicine, and that the policy shall be to ensure that such appointments carry an appropriate component of salary from the academic budget of the University. It is understood that the above arrangement may apply to certain division heads.

8. It is agreed that the Head of a department or Head of a division at Shaughnessy Hospital shall be responsible to Shaughnessy Hospital for the quality of care given by all categories of medical staff within his department or division for all patients, and to the University of British Columbia for the quality of the educational programs and research activities of his department or division.

Appointments

9. It is agreed that the final determination in respect to appointment of the medical staff of Shaughnessy Hospital rests with the Board of Trustees of Shaughnessy Hospital, and that the final decision in respect of a faculty appointment rests with the Board of Governors at the University of British Columbia. It is further agreed that neither party to this agreement shall withdraw an academic or a hospital appointment without prior consultation with the other party.

10. It is agreed that for all new members of the active staff of Shaughnessy Hospital to be appointed to departments involved in teaching, the head of the University department concerned shall be consulted in advance concerning the recommendation for a faculty position.

Continuing Education

11. It is agreed that the hospital may designate members of the health science faculties who shall be responsible for the organization of continuing education programs in their respective professions. Such designated members of the staff shall be members of the appropriate committee responsible for continuing education in the health sciences at the University of British Columbia, and programs of continuing education will be structured collaboratively between Shaughnessy Hospital and the Division of Continuing Education in the Health Sciences of the University of British Columbia.

Resident Education

12. It is agreed that for all residency programs within Shaughnessy Hospital the department or division program director of Shaughnessy Hospital will join with the department or division program director of the Faculty to select residents and plan their rotation amongst the participating hospitals. It is also agreed that residency programs which are to be conducted wholly within Shaughnessy Hospital, and which require recognition by the Royal College of Physicians and Surgeons of Canada or the College of Family Physicians of Canada, shall be subject to agreement between Shaughnessy Hospital and the designated University Program Director.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

Shaughnessy Hospital

Resident Education (continued)

A representative of Shaughnessy Hospital administration and individual program directors of residency training programs shall be ex officio members of the Faculty Residency Committee.

Medical Student Education

13. It is agreed that decisions concerning medical undergraduate teaching shall be the responsibility of the head of the appropriate department in Shaughnessy Hospital, or his delegate, acting together with the appropriate head of the University department, or his delegate.

Clinical Teaching

14. It is agreed that all patients admitted to Shaughnessy Hospital will be available for teaching, subject to the discretion of the physician in charge of the patient and with the agreement of the patient concerned.

Quality of Patient Care

15. It is agreed that the responsibility for the quality of patient care at Shaughnessy Hospital rests with the Board of Trustees and therefore the determination of which clinical services it shall or shall not provide is the responsibility of the hospital.

The development of programs of exemplary patient care, education and research is only possible when facilities are excellent and personnel are of the highest quality. Shaughnessy Hospital and the University of British Columbia agree therefore to make every reasonable effort to maintain such facilities and personnel considered to be essential to the quality of services to the patient and to programs of education and research.

Research

16. It is agreed that it shall be the policy of the University of British Columbia and Shaughnessy Hospital to encourage the development of appropriate research programs at Shaughnessy Hospital. It is understood that in the conduct of all research, Shaughnessy Hospital and the University of British Columbia have the right and the responsibility to require that due and proper regard be given to the personal rights, safety and wishes of the patient, and the ethics of the research to be conducted. Accordingly, all research must conform to the policies of either Shaughnessy Hospital or the University of British Columbia, or both, whichever may be appropriate.

Funding

17. It is agreed that the policy shall be that the allocations of academic funds made to Shaughnessy Hospital will be commensurate with its general academic responsibility, and that Shaughnessy Hospital and the University of British Columbia will collaborate in discussions involving such issues as negotiation of arrangements for the funding of faculty, the funding of support staff and funding of educational facilities within the hospital.

Agreements between the Faculty of Medicine and St. Paul's and Shaughnessy Hospitals

Shaughnessy Hospital

Funding (continued)

18. It is agreed that for the duration of this Affiliation Agreement, the University of British Columbia and Shaughnessy Hospital agree to join in discussions with the Provincial Government regarding operational funding of education and educational support components within Shaughnessy Hospital.

Amendment of Agreement

19. This agreement may be amended at any time by mutual agreement between the University of British Columbia and Shaughnessy Hospital. The University of British Columbia or Shaughnessy Hospital may terminate this agreement as of the thirtieth day of June in any year by giving to the other party notice in writing of this intention to terminate at least twelve calendar months prior to the date of termination.

20. The Board of Trustees of Shaughnessy Hospital and the Board of Governors of the University of British Columbia recognize that this agreement and the operation of this agreement should be subject to prompt review and joint discussion at the request of either party.

Dean Webber)
Dean Riedel)

That the statements of affiliation between The University of British Columbia and St. Paul's and Shaughnessy Hospitals be approved, subject to such minor changes in wording as may be required.

Carried

Preliminary report on enrolment 1977-78

The preliminary report of the Registrar on daytime enrolment for 1977-78 was received for information. The total enrolment figure was 23,071.

Report of the Registrar on Summer Session enrolment 1977

The report of the Registrar on Summer Session enrolment was received for information.

Report of the Registrar on Spring Session enrolment 1977

The report of the Registrar on Spring Session enrolment was received for information.

Correspondence

Senate was informed that a letter from the professional Librarians on campus asking for representation on Senate had been referred to the Committee on the Implementation of the Universities Act.

Report of the Tributes Committee

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

Professors Emeriti

The committee recommended that the following be granted emeritus status:-

Katherine Beamish	Professor	Botany
J. E. Bismanis	Professor	Medical Microbiology
Eleanor J. Bradley	Associate Professor	Health Care & Epid.
George A. Davidson	Clinical Professor	Psychiatry
Frederic D. Garrett	Professor	Anatomy
Helen M. Gemeroy	Professor	Nursing
Kenneth Graham	Professor	Forestry
John E. Halliday	Professor	Pharmaceutical Sciences
R. M. Hamilton	Assistant Librarian	Library
Malcolm F. McGregor	Professor	Classics
Louis Medvecsky	Senior Instructor	Germanic Studies
B. B. Moscovich	Clinical Assoc. Professor	Medicine
David C. Murdoch	Professor	Mathematics
R. L. Noble	Professor	Physiology
H. E. Ronimois	Professor	Slavonic Studies
C. S. Samis	Professor	Metallurgy
Muriel Uprichard	Professor	Nursing
A. W. Wallace	Clinical Assoc. Professor	Health Care & Epid.
Robert M. Wellwood	Professor	Forestry
George Woodcock	Lecturer	Canadian Literature
Henry Zeldowicz	Clinical Assoc. Professor	Psychiatry

Dr. Stager)
Dr. Pearse) That the recommendations of the Tributes Committee concerning emeritus status be approved.

Carried

The meeting adjourned at 10.00 p.m.

The next regular meeting of Senate will be held on Wednesday, November 16, 1977.

Secretary

Confirmed,

Chairman

APPENDIX 'A'

New Awards recommended to Senate

The Wilson Duff Memorial Bursary - One or more bursaries in the amount of approximately $750 will be available to students in the field of Indian history and culture. The award pays tribute to Professor Wilson Duff, who worked extensively with B. C. Indians and as Curator of Anthropology at The University of British Columbia. In making the award, preference will be given to a student of native Indian ancestry.

The Wilson Duff Memorial Scholarship - This award, in the amount of approximately $500, has been established in memory of Professor Wilson Duff, a member of the Faculty who worked extensively in the field of Indian culture. The scholarship will be available to a student in the Faculty of Arts or Law, who is doing work in the field of Indian history and culture. Preference will be given to a student of native Indian ancestry. The award will be made on the recommendation of the Head of the Department of Anthropology and Sociology in consultation with the other departments involved.

The Professor Jessie Gordon MacCarthy Memorial Scholarship - A scholarship in the amount of approximately $500 has been made available by family, friends and colleagues of the late Jessie Gordon MacCarthy, who for ten years contributed through teaching, administration and research to the development of the Health Sciences at U.B.C. The award will be made to the student who having completed the penultimate year of any undergraduate Health Science course best combines academic excellence, demonstrated interest and leadership in the field of public health and epidemiology. The recipient will be chosen by a committee chaired by the Head of the Department of Health Care and Epidemiology and appointed by the Co-ordinator of Health Sciences. Financial need may be considered but shall be subordinate to aptitude and interest.

Victor A. Olacke Memorial Bursary - A bursary in the amount of approximately $250 has been made available by friends of the late Victor Olacke. Victor A. Olacke was born in Sarnia, Ontario on June 24, 1949. He grew up in Sarnia and after graduating from high school moved to Vancouver to study Geological Engineering at the University of British Columbia. In 1969, Vic was elected President of the first year engineering class, and throughout his education at The University of British Columbia played an active role in the Engineering Undergraduate Society. He graduated with a B.A.Sc. degree in Geological Engineering from the Class of '73. In his working career Vic gained considerable experience with Piteau Gadsby Macleod Geotechnical Consultants, the Alberta Energy Resources Conservation Board, R. M. Hardy and Associates, and Klohn Leonoff Consultants. While employed with Klohn Leonoff Consultants, he was largely involved with engineering related to proposed northern gas pipelines. While supervising a field drilling program in the Yukon Territory, Vic and three other men were tragically killed in a helicopter crash near Whitehorse on October 9, 1976. This bursary is dedicated to future Geological Engineers at The University of British Columbia in the memory of Victor A. Olacke, P.Eng. and will be awarded to a student entering the third year of Geological Engineering (B.A.Sc.). In order to be considered, applicants must be Canadian citizens.

APPENDIX 'A'

New Awards recommended to Senate (continued)

The Canadian Union of Public Employees (A. Burton Memorial) Bursary - A bursary in the amount of $250, the gift of the Canadian Union of Public Employees, Local 1004, is offered annually to (1) members of the Union; (2) sons, daughters or wards of members or deceased members; (3) sons and daughters of any trade union member. The award will be made to an applicant, on the basis of financial need and competence in studies, pursuing work in any year and faculty. If no applicants are available in the above categories, the University may award the bursary to any other deserving student.

The Isadore Diamond Bursary - A bursary in the amount of approximately $100 has been made available by the Jack, Charles, and Gordon Diamond families in commemoration of the 50th birthday of Isadore Diamond. The award will be made to a student demonstrating financial need.

The Judge Helen Gregory MacGill Memorial Bursary - A bursary fund initiated by Phi Delta Delta Legal Sorority and augmented by Judge MacGill's family has been established in memory of Judge Helen Gregory MacGill who from 1902-1947 worked ceaselessly for better laws and conditions for women and children in Canada. A bursary in the amount of approximately $200 a year will be available to assist women students in the final year of the Law course or the degree course in Social Work.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF DENTISTRY

Deletion	Education 301 - delete from Dental Hygiene curriculum	
Change	Dental Hygiene 204 - change in unit value from (1) to (3)	

FACULTY OF EDUCATION

New courses	Education 379 (1½)	The Education of Immigrant Children
	Education 390 (1½)	Selected Topics in Special Education
	MUED 402 (3)	Music Curricula in the Public Schools
Changes	Education 471 -	change in unit value from (3) to (1½/3), drop prerequisite of teaching experience
	Education 480 -	change in title and description
	Elementary Division -	change in Primary Education Concentration. Due to the deletion of one of the electives Education 407 (3), Education 312 (1½) and Education 406 (1½) have been substituted.
	Elementary Division -	Art Education Major - Art Education 401 added to list of electives.
	Secondary Division -	Social Studies Concentration - addition of a Philosophy Concentration.
	Secondary Division -	Art Education Major - Art Education 441 to be substituted for one of the Art Education Major's advanced studio courses.

FACULTY OF FORESTRY

Changes	Forestry 251 and 351	Field Study Tour - these courses are now elective instead of required.
	Forestry 405 (1½)	Forest Ecosystems - the words "biogeoclimatic classification" to replace the word "biogeoclassifications" in the course description.

APPENDIX 'C'

FACULTY OF MEDICINE

Bachelor of Medical Laboratory Science Degree (B.M.L.Sc.)

Prerequisites

1. (a) Graduation from an approved Institute of Technology (or College) with a two-year program in Medical Laboratory Technology, plus one year of in-hospital training in a Canadian Medical Association approved hospital laboratory, and graduation with the Canadian Society of Laboratory Technologists' R.T. (General) diploma. (Academic course content and seminars equivalent to 30 units).

   (b) Credit in Chemistry 205 and Chemistry 230 (or equivalent).

or 2. Completion of second year Science with credit in Chemistry 205, Chemistry 230, Biology 200, Biology 201, Microbiology 200, an Arts elective, and a Pathology 3-unit course.

English Composition Requirement

Students entering the program who have not satisfactorily completed the English 100 course at the University of British Columbia must pass the Diagnostic Composition Test. Those students who fail the Diagnostic Composition Test will be required to complete satisfactorily the Basic Composition Workshop, a description of which follows:

Basic Composition Workshop (0) - (This non-credit course must be taken in addition to English 100 by those students whose tested competence in writing does not meet minimum requirements.) - Study of English sentence structure, usage, conventions of standard written English and the basic principles of expository writing. Essays and exercises are required.

Admission Requirements

Applicants must meet the general admission requirements of the University, and the Department of Pathology reserves the right of selection of students for admission to the program.

Third Year

	Modern Analytical Methods	Chem.	311	(1)
	Laboratory in Modern Analytical Methods	Chem.	321	(1)
	Bacteriology, Mycology and Virology	Microbi.	425	(1½)
	Parasitology	Microbi.	426	(1½)
**	Medical Laboratory Science	Path.	301	(2)
**	Medical Laboratory Science	Path.	302	(1)
**	Medical Laboratory Science	Path.	303	(2)
**	Medical Laboratory Science	Path.	304	(2)
**	Modern Microscopy	Path.	305	(2)
	Introduction to Human Pathology	Path.	375	(1)
	Arts elective			(3)
				18

** New course

APPENDIX 'C'

FACULTY OF MEDICINE

Bachelor of Medical Laboratory Science Degree (B.M.L.Sc.) (continued)

Fourth Year

	Statistics in the Health Sciences	HCE	400	(1)
**	Clinical Chemistry	Path.	406	(4)
**	Haematology	Path.	402	(2)
**	Nuclear Medicine for M.L.Sc.	Path.	403	(1)
**	Histochemistry	Path.	404	(3)
	Immunopathology	Path.	525	(1)
**	Seminars in Current Topics	Path.	405	(1)
	Arts elective			(3)
				16

** New course

The following is a list of titles and course descriptions for the above new courses:-

Pathology 301 (2) Introduction to Medical Laboratory Science - An integrated approach to specific areas of the theoretical and practical aspects of those physical and biological sciences relevant to medical laboratory science. Emphasis will be placed upon the application of basic science to those clinical disciplines practised by the medical laboratory scientist, e.g. histochemistry, clinical chemistry, microbiology, haemotology, etc.

Pathology 302 (1) Medical Laboratory Science - Laboratory Administration - Personnel management, staff/management relationships, stock control, record keeping, etc. Medicolegal aspects of medical laboratory science. Theory and practice of quality control. Use of computers in the medical laboratory.

Pathology 303 (2) Medical Laboratory Science - Principles of tissue culture and cytology - Tissue culture techniques in clinical diagnosis; cytological techniques used in the diagnosis and control of cancer. Sex chromatin determination.

Pathology 304 (2) Medical Laboratory Science - Normal Human Histology - An advanced lecture and laboratory course in that microscopic structure of the human body necessary for a complete understanding of histochemistry and histopathology.

Pathology 305 (2) Modern Microscopy - A lecture and laboratory course in the theoretical and practical application of modern biological microscopes - compound, dissecting, comparison, dark ground, fluorescent, phase contrast, interference and electron microscopes.

Pathology 402 (2) Medical Laboratory Science - Haematology - A theoretical and practical examination of those modern concepts of haematology which relate to the practice of medical laboratory science.

APPENDIX 'C'

FACULTY OF MEDICINE

Bachelor of Medical Laboratory Science Degree (B.M.L.Sc.) (continued)

Pathology 403 (1) Nuclear Medicine for Medical Laboratory Scientists - An introductory course in Nuclear Medicine designed specifically for Medical Laboratory Scientists. All aspects of Nuclear Medicine will be taught in general with specific attention given to those areas directly affecting the Pathology laboratory.

Pathology 404 (3) Diagnostic Histochemistry - A lecture and laboratory course that emcompasses the theory and the practice of currently available histochemical techniques. This course is to supplement the histopathological technique course taken as a requirement for CSLT(RT) certification.

Pathology 405 (1) Seminars in Current Topics - This seminar course is intended to train students in the oral presentation of scientific papers and make them critically aware of the current literature.

They will be assigned, on a rotational basis, current issues of journals in the field of laboratory medicine. In consultation with faculty they will select one or more papers for review in a 15-20 minute presentation. The presentation will be followed by a general discussion.

Pathology 406 (4) Medical Laboratory Science - Clinical Chemistry - This course will review and discuss the methodology of clinical chemistry in order to put these analytical methods into the broad perspective of the pathophysiology of human disease and biochemistry.