Wednesday, September 16, 1981.

The First regular meeting of the Senate of The University of British Columbia for the Session 1981–82 was held on Wednesday, September 16, 1981, at 8.00 p.m. in room 102 of the Buchanan Building.

Present: President D. T. Kenny (Chairman), Chancellor J. V. Clyne, Dr. R. A. Adams, Dr. C. E. Armerding, Dean G. S. Beagrie, Dean D. R. Birch, Mr. W. H. Birmingham, Mrs. M. F. Bishop, Dr. T. H. Brown, Rev. P. C. Burns, Mr. G. D. Burnyeat, Dr. K. O. L. Burridge, Dr. J. J. R. Campbell, Mr. B. J. Coulson, Dr. J. Dahlie, Mrs. S. Dodson, Dr. D. Donaldson, Dr. A. J. Elder, Mr. D. B. Fields, Dean C. V. Finnegan, Mr. H. J. Franklin, Mr. C. P. Fulker, Mrs. E. D. Fulton, Dean J. A. F. Gardner, Dr. R. F. Gray, Mr. S. T. Henderson, Dr. A. M. Hickling, Dr. R. F. Kelly, Dr. R. W. Kennedy, Dean W. D. Kitts, Dr. A. Kozak, Mr. J. Kulich, Dean P. A. Larkin, Dr. L. M. Lavkulich, Dean P. A. Lusztig, Dean K. M. Lysyk, Dr. J. P. Martin, Ms. C. E. McAndrew, Mr. M. A. McCann, Dr. A. J. McClean, Mr. D. McInnes, Mr. J. F. McWilliams, Mr. I. C. Miller, Dr. W. R. Morford, Dean B. E. Riedel, Miss R. E. Robinson, Dr. G. G. E. Scudder, Dr. M. Shaw, Dr. J. G. Silver, Dr. C. E. Slonecker, Dr. R. H. T. Smith, Dr. R. A. Spencer, Dr. R. Stewart, Dr. P. Suedfeld, Dr. N. Sutherland, Mr. R. Tan, Dr. P. R. Tennant, Dean W. A. Webber, Dean L. M. Wedepohl, Dean R. M. Will, Dr. D. LL. Williams, Dr. M. D. Willman, Dr. J. L. Wisenthal, Ms. D. Wong.

Observer: Mr. J. A. Banham

Messages of regret for their inability to attend were received from Dr. D. S. Lirenman, Dr. D. Lupini, Dr. J. F. Richards, Miss C. L. V. Warren, Mr. V. G. Wellburn.

Minutes of the previous meeting

Dean Webber)
Dr. Suedfeld) That the minutes of the Ninth regular meeting of Senate for the Session 1980–81, having been circulated, be taken as read and adopted.

It was noted that the names of the following persons had been omitted from the list of those in attendance at the previous meeting: Mr. B. J. Coulson, Mr. S. T. Henderson, Mr. J. Kulich, Mr. M. A. McCann, Mr. I. C. Miller and Mr. R. L. Mullen.

The motion was put and carried.

Business arising from the Minutes

Financial problems and priorities within the University (P.7564)

In reply to a query concerning the establishment of a committee to discuss jointly with the Finance Committee of the Board of Governors financial problems and priorities within the University, the Chairman stated that the committee had not yet met.

Senate membership

Declaration of vacancies

As required under section 35 (6) of the University Act, the following vacancies on Senate were declared:

Mr. B. A. Elliott - student representative of the Faculty of Education

Dr. J. H. McNeill - representative of the Faculty of Pharmaceutical Sciences

Ms. T. R. Murakami - representative of the Faculty of Applied Science

Ms. L. P. Stewart - student representative of the Faculty of Law

Mr. R. S. Szeliski - student representative of the Faculty of Graduate Studies

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 Department 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 Applied Science (P.7557)

(ii) New courses, course and program changes recommended by the Faculty of Education (P.7557–9)

(iii) New course recommended by the Faculty of Forestry (P.7559)

(iv) New courses and course changes recommended by the Faculty of Graduate Studies (P.7559 & P.7580)

(v) New course recommended by the Faculty of Law (P.7580)

(vi) New course recommended by the Faculty of Medicine (P.7559)

(vii) Course and program changes recommended by the Faculty of Science (P.7560)

(viii) Science route into the Bachelor of Medical Laboratory Science Program recommended by the Faculties of Science and Medicine (P.7586)

From the Board of Governors (continued)

(ix) Combined B.Sc. and D.M.D. degree program recommended by the Faculties of Science and Dentistry (P.7561)

(x) The report of the Senate Academic Building Needs Committee was received for information and for use as a source document in relation to the preparation of future five-year plans for capital expenditures.

Prizes, Scholarships and Bursaries

Mrs. Bishop)
Mr. McWilliams) That the new awards (listed in the Appendix) be accepted subject to the approval of the Board of Governors and that letters of thanks be sent to the donors.

Carried

Annual Financial Report of the University, March 31, 1981

As requested under Section 31 (2) of the University Act, the Board of Governors had forwarded to Senate copies of the Annual Financial Report for the fiscal year ended March 31, 1981.

Report of the Senate Admissions Committee

(i) Faculty of Medicine proposals

The committee recommended approval of the following proposals of the Faculty of Medicine concerning admission of students by transfer, the Medical College Admissions Test, and deferred entry. (Guideline 1 under "Deferred entry" has been modified by the committee.)

Admission of students by transfer

The second paragraph of the Calendar entry concerning admission of students by transfer should be amended to read:

"The acceptance of transfer students will depend upon the existence of vacancies in the class year for which they are applying. The student will only be considered if attending a medical school in Canada or the United States that is accredited by the Committee on Accreditation of Canadian Medical Schools and the Liaison Committee on Medical Education."

The Medical College Admission Test (MCAT)

The second sentence of the first paragraph of the Calendar entry concerning the Medical College Admission Test should be amended to read:

"It is recommended that applicants complete this examination in the fall of the year prior to the year that they apply for entrance to medical school."

Report of the Senate Admissions Committee

Faculty of Medicine proposals (continued)

Deferred Entry

The following is a new Calendar Statement:

"Under some limited, special circumstances, admission may be deferred for one year at the discretion of the Admission Selection Committee.

Guidelines:

1. The applicant must have a recognized degree prior to entry into Medical School.
2. The year's experience will be useful in the practice of medicine.
3. That the student pay a first year deposit.
4. Each request will be considered on an individual basis by the Admissions Selection Committee and its decision be final."

Dr. Smith)
Dr. Dahlie) That the proposals of the Faculty of Medicine concerning admission of students by transfer, the Medical College Admission Test and deferred entry, be approved.

Carried

(ii) Proposal of the Faculty of Applied Science to control enrolment in Engineering – for information

In presenting the report Dr. Smith stated that under the authority granted the committee by Senate on April 19, 1978, the committee had approved proposals concerning control of enrolment in the engineering program. This action had been necessary so that students enrolling in First Year engineering in September could be forewarned.

Following is an extract from the report of an ad hoc Committee to Consider Controlled Enrolment, established by the Faculty of Applied Science, which contains the recommendations considered by the Admissions Committee:

"In its Mission Report of 1980 this Faculty subscribed to the principles of accessibility and excellence in our engineering programs. This means that every talented and qualified individual in British Columbia wishing to become an engineer should have the opportunity to do so, and that the quality of the engineering education he or she receives should be truly excellent. This committee subscribes to these principles but profoundly regrets their incompatibility under current circumstances.

Report of the Senate Admissions Committee

(ii) Proposal of the Faculty of Applied Science to control enrolment in Engineering – for information (continued)

Since 1973 total undergraduate enrolment in the engineering programs of this Faculty have increased steadily from 844 to 1632, and further growth is projected. The marked increase in the number of students has seriously impaired the teaching programs in the larger departments. Examples are cited below.

1. In Civil, Electrical, Mechanical and Chemical Engineering the number of undergraduate students currently enrolled far exceeds the design capacity of the department facilities.

2. Large classes, some with 100 to 150 students, are taught at senior levels in Electrical, Civil and Mechanical Engineering. This is very much above acceptable levels. The classes cannot be sectioned because not enough faculty members are available.

3. Some design and problem classes have in excess of 75 students and a single instructor. This has proved ineffective.

4. Some laboratory groups are so large that some students must stand and watch rather than do experiments.

5. There is insufficient workspace for undergraduate students to carry out the required senior design and research projects. In Chemical Engineering hallways are being used for these purposes.

6. There are insufficient laboratory assistants and problem markers to deal adequately with the student numbers involved.

7. Faculty members are required to devote an inordinately large portion of their time and effort to supervising an increasing number of laboratory and problem sections and in marking. This seriously reduces their ability to update courses, develop new initiatives, and engage in research.

It has been clear for some time that, if additional financial and space resources are not provided to cope with the student numbers accepted into the faculty, educational quality will suffer. Budget requests have been presented for a number of years asking for substantial additions to resources, but these have not been supplied. Instead, the average effective support per student has decreased by a factor of nearly two as the enrolment has doubled.

Paradoxically at a time when severe stresses are being felt by some departments, others are not using their resources to capacity. The maldistribution of students between programs results from the present complete freedom of choice as students enter second year.

It is therefore evident to this committee that some form of enrolment control is necessary.

Report of the Senate Admissions Committee

(ii) Proposal of the Faculty of Applied Science to control enrolment in Engineering – for information (continued)

Conclusions and Recommendations

The Committee concludes that serious overcrowding in certain of the larger departments has led to unacceptable deterioration in academic quality. At the same time it is clear that the resources available in certain of the smaller departments and programs are not fully utilized.

Accordingly it recommends:

(a) that the number of students entering first year engineering be limited;
(b) that the number of students transferring into second year engineering from outside the Faculty be limited, in consultaton with the other B.C. institutions;
(c) that second year enrolment in each engineering program be limited, with allocation into programs made according to student preferences and academic qualifications until each program limit is reached;
(d) that the admission and program registration limits be reviewed annually and revised as faculty resources change;
(e) that henceforth all students entering first year engineering be advised at the time of acceptance that point (c) above will apply from September 1982 onwards;
(f) that in September 1982 the number of students admitted to first year engineering be limited to 450 and that the number of students admitted from outside the faculty to second year be limited to approximately 100 students.
(g) that those institutions preparing students to enter our second year programs be consulted as soon as possible and that every effort be made to avoid hardship for individual students in the transition period;
(h) that the Committee on Admissions, Standing and Courses implement the above recommendations and report to Faculty."

Senate was informed that the Admissions Committee had approved the recommendations on behalf of Senate, as follows:

Recommendations (a), (b), (c), (e), (f) and (g) were approved.

Recommendation (d) was approved with the following addition: "and forwarded to Senate for approval."

Recommendation (h) - no action was taken in that the plan for implementation must be approved by Senate when it is established by the Faculty.

Centre for Continuing Education

Reports on Certificate and Diploma Programs

In accordance with Senate policy the following annual reports had been circulated for information:

Centre for Continuing Education

Reports on Certificate and Diploma Programs (continued)

Certificate Program in Criminology

Tightening of the requirement that allows admission only to individuals who are currently working in the field of criminology reduced new admissions to the program to 11 in 1980-81.

Of the 108 students presently enrolled in the program, 85 live in British Columbia and 23 are from other provinces. Fifty-one (60%) of the B.C. students reside outside the Greater Vancouver area.

Sixty-four of the enrolled students were registered in one or more courses during the year. One student was awarded the Certificate, bringing the total of completing students to five.

Diploma Program in Administration for Engineers

This diploma program is offered jointly by the Faculty of Applied Science and the Centre for Continuing Education.

1. There were thirty-eight admissions into the program this year. Of these twenty-nine were in Greater Vancouver and nine at interior locations.

2. Total enrolment in the program since its inception in 1968 now stands at 982.

3. Sixty-seven graduates have received their Diploma in Administration for Engineers to date.

4. There were 458 registrants for the 28 courses offered on-campus and in the Greater Vancouver area.

5. Fifteen courses were offered out-of-town with a total of 201 registrants.

6. A total of thirty-four professional foresters were admitted to the parallel Diloma Program in Administration for Foresters; nine of them enrolled this year in courses offered in the Diploma Program in Administration for Engineers.

7. Although not "credited" to the Centre for Continuing Education, Engineering Programs also arranged all aspects of the delivery of three graduate (M.Eng.) credit courses in Victoria with the following registrations:

CIVIL 565	Water Chemistry & Treatment	13
CIVIL 566	Water Pollution Control I	12
CIVIL 569	Waste Treatment	14
	Total	39

Centre for Continuing Education

Reports on Certificate and Diploma Programs (continued)

Certificate Program in Early Childhood Education

This Certificate program in Early Childhood Education is offered by the Centre for Continuing Education in cooperation with the Faculty of Education.

1. There are at present 325 registered candidates in the Program and 111 certificates have been awarded.

2. Twenty-eight courses were attended by approximately 675 students.

3. A grant from the Interior University Programs Board permitted the development of another certificate course by Guided Independent Study, Administration of Early Childhood Centres. This brings to three the number of certificate courses available by Guided Independent Study. A fourth course is presently being developed.

4. Of particular significance was the Summer 1980 program of short courses and workshops. Many early childhood candidates from throughout the province spent the month of July taking courses. Two hundred and fifty registrations were received for the 13 courses offered.

Dr. Wisenthal reminded Senate that in September 1979 he had drawn Senate's attention to the non-credit courses being offered through the Centre for Continuing Education and had queried whether its offerings were adequately representative of the academic enterprise at U.B.C. Senate had agreed that the question be referred to the Senate Committee on Continuing Education. Since there had been no response, Dr. Wisenthal suggested that the committee be requested to draft a statement to inform Senate: (1) of the purpose of the non-credit program; (2) the criteria used for the selection of non-credit courses; and (3) the degree of involvement by U.B.C. Faculty in the selection of non-credit offerings.

Senate was informed that an advisory committee was in the process of examining the course offering of the Centre.

It was agreed that this matter be referred to the Committee on Continuing Education.

Faculty of Graduate Studies

Establishment of an International Research Centre for Music Periodical Literature

The following material had been circulated in connection with the proposal to establish an International Research Centre for Music Periodical Literature:

Faculty of Graduate Studies

Establishment of an International Research Centre for Music Periodical Literature (continued)

"The development of musical romanticism coincides with the parallel development of musical journalism and the creation of a very large number of periodicals dealing either entirely or in part with musical activities. Specialized music reviews (over two thousand in number), Feuilletons in daily newspapers, articles in literary periodicals, in theatrical journals and in magazines de mode, as well as engravings and lithographs in the illustrated press constitute, therefore, a documentary resource of monumental proportions that is of primary and unquestionable importance for the music historian. In spite of the wealth of information contained therein, however, two problems have prevented this material from being exploited: (1) the limited number of libraries possessing the journals, newspapers and reviews, and (2) the difficulty encountered when one attempts to locate specific information within an available source. Because indexing of 19th- and early 20th-century periodical publications dealing with music is extremely rare, the scholar wishing to consult articles or iconography on a given subject must, in most cases, simply resign himself to turning literally hundreds if not thousands of pages to locate relevant documents. Clearly, gaining bibliographical control and consequently access to this exceptional source of information is among the highest priorities in musicological research.

During the past two years meetings have been held with members of the executive councils of the Socita Italiana di Musicologia and the Societe Francaise de Musicologie as well as with numerous North American and European specialists in order to determine the structure of an undertaking aimed at dealing, through international cooperation, with this imposing amount of unexplored literature. Briefly stated, what has been suggested is the creation of two research centres -- one, a European Centre in Parma, established under the auspices of the Emilia Romagna regional government and directed by Professors Elvidio Surian and Marcello Conati; the other, a North American Centre which Professor H. Robert Cohen has been asked to direct -- devoted to the study, cataloguing and indexing of writings on music and musical iconography in English, French, Italian, and German 19th– and early 20th–century periodical literature. Parts of a single structure, these Centres will work together to gather the sources described above on microfilm, in order to establish two research archives of international significance. Moreover, to facilitate access to this material by scholars on both continents, the microfilms will be duplicated and housed at both the European and North American Centres.

In addition to functioning as a research archive, the principal activity of the Centres will be the cataloguing and computer–programmed indexing of the collected materials. Because of the scope of the undertaking and the number of languages involved, this aspect of the project will require the collaboration of a number of scholars. For this reason, regional and national indexing groups -- at European and North American universities and conservatories -- are presently being organized in order to participate in the indexing of specific periodicals under the direction of the two Centres. Moreover, once the structure is firmly established and work is progressing with regularity, the directors of the Centres will coordinate and supervise the publication of the resulting catalogues in a new series of reference volumes, Le Repertoire International de la Presse Musicale du Dix-Neuvieme Siecle.

Faculty of Graduate Studies

Establishment of an International Research Centre for Music Periodical Literature (continued)

The goals of the proposed Centre, then, are these: (1) to serve as a research archive and to thus facilitate and promote the exploitation of the 19th-century press as a documentary resource for the historian; (2) to offer an opportunity for faculty members and graduate students interested in working in this area to do so within a clearly defined, internationally sanctioned structure; (3) to develop a method -- to be applied uniformly by all collaborators -- for cataloguing and indexing writings on music and musical iconography in 19th-century periodical literature; (4) to regroup and to oversee the publication and distribution of the resulting reference tools; and (5) to make available, through the Centre, copies of articles and iconography brought to light by the cataloguing effort.

This undertaking has already received an initial endorsement from the International Association of Music Libraries, Archives, and Documentation Centres, an association representing more than two thousand institutions throughout the world. And, to assure the essential international nature of the Centre, an International Advisory Board -- composed of eminent scholars and archivists from Canada, England, France, Germany, Hungary, Italy, Poland, Sweden and the United States -- has been established. Moreover, because 19th-century periodicals dealing with music frequently contain materials of interest to scholars in a variety of humanistic disciplines, a University Advisory Council composed of five 19th-century scholars at The University of British Columbia has also been created in order to play a consultative role in the Centre's research activities.

The Centre will function within the Department of Music in consort with the University Library and will be placed under the jurisdiction of the Dean of the Faculty of Graduate Studies. The Centre will be directed by Professor H. Robert Cohen in collaboration with Mr. Hans Burndorfer (the University Music Librarian) who will function as Director of the Archive. Professor Cohen and Mr. Burndorfer will be assisted and counselled in their tasks by the Centre's University Advisory Council, its International Advisory Board, a policy committee and a finance committee.

Funding for the Centre will be sought from external sources. There is no commitment of, or request for, University operating funds for the Centre."

Dean Larkin)
Dean Will) That the proposal of the Faculty of Graduate Studies to establish an International Research Centre for Music Periodical Literature be approved.

Carried

Calendar statement concerning Research Administration

The following Calendar statement concerning Research Administration, which had been approved by the Board of Governors, was circulated for information:

"All matters concerning the administration of research grants and contracts are handled by the Office of the President (Research Administration) to which enquiries concerning research policies and procedures should be directed. Students do not normally have occasion to deal with matters of research administration, but they are included in the University Patent and Licensing Plan which provides that, if a student "proposes to patent or license an invention or discovery and University facilities or funds administered by the University were used in making the invention or discovery", then "a disclosure must be made to the University and the rights assigned to the University in return for a share of any proceeds arising from the invention or discovery." Details of the Plan are available from the Office of the President (Research Administration)."

Report from St. Mark's College

The following report had been circulated for information:

"The report from St. Mark's College is presented to the Senate in accordance with the regulation in the Affiliation Agreement of 18 January 1978 which requires that a theological college "shall submit a resume of its academic operations of the Senate annually.'

The academic staff consisted of Father Daniel Mulvihill, C.S.B., Ph.D. and Father Paul Burns, C.S.B., B.Litt., Ph.D., Father Bruno Tesolin was the bursar and registrar of the College. The courses offered by the College are described in the Calendar of the college. Father Burns continued to be on loan to the Faculty of Arts and he also represented the College on the Senate of the University.

Continuing education is part of the purpose of the College. Among the papers presented by the faculty to professional and alumni groups are the following: Father Mulvihill "The role of the Church in Developing countries", Father Burns "Vergil in Medieval Schools", "Some themes in fifth century latin Hymns", and "Two current approaches to Thomas More". Father Burns also published a critical study on some aspects of fourth century christology which was put out by the Latern University Press.

The Library holdings number about 10,500 volumes. The College faculty believes that this collection, though relatively small, is nevertheless a valuable contribution to the University community. A retired member of the University Library staff has joined us this year. We would like to return to the former practice of having this collection included in the main Library catalogue so that our Library will be fully available to the University.

St. Mark's College also provides Catholic chaplaincy services to the University and Father Bruno Tesolin has taken over direction of these activites. A brochure describing the chaplaincy program is available.

Father Mulvihill retired as Principal of the College at the end of June and he will return to Ontario. A search is currently underway to find a successor.

The College continues to be grateful to the wisdom and patience of Dean C.V. Finnegan who represents the University Senate on the Board of St. Mark's."

Report of the Registrar on Spring Session Enrolment 1981

The report of the Registrar on Spring Session Enrolment 1981 was received for information.

Report of the Registrar on Summer Session Enrolment 1981

The report of the Registrar on Summer Session Enrolment 1981 was received for information.

Other business

Library Policy - Senate Library Committee

Dean Larkin presented the following report which had been circulated at the meeting:

"Rapidly increasing costs of publications, averaging 20 to 25 percent per annum, coupled with the proliferation of publications, has necessitated careful analysis of library acquisitions policy.

At present, many expensive publications are purchased in sufficient quantity to provide copies at two or more branches or reading rooms. While this practice is commendable as a service and is consistent with the thrust of the Senate approved policy on Branch Libraries and Reading Rooms it will not be possible, in the next few years at least, to continue all multiple purchases.

It is also apparent that there may be pressure on the library budget for operations with the attendant risk of a deterioration in service, at a time when the library is increasingly in demand as a keystone library in a provincial network.

In view of these developments the Senate Library Committee, at recent meetings has developed several recommendations to help guide the library through the present and forthcoming period of difficulty.

Recommendations

1. The university administration is commended for the strong support it has provided the library in the past, and is urged to continue its strong support in the future. The maintenance of an adequate budget for collections is of central importance to the university.

2. Increasing attention should be drawn to the role of the library as a provincial resource and the importance to the province of maintaining collections and services.

3. The guiding principle of library policy should be the maintenance of as comprehensive a collection as can be afforded and provision of high quality service to make the collection accessible. It follows from this general statement:

   a) Unique copies should take precedence over duplicate copies.

   b) To preserve an appropriate balance in the collections the serials budget should not exceed 60% of the total budget for acquisition.

Other business

Library Policy - Senate Library Committee (continued)

"c) The integration of some of the materials in reading rooms and smaller Branch libraries into the Main Library or the larger branches should occur wherever there are economies that are not associated with significant reduction in service. The Librarian has been requested to undertake an appropriate study.

d) Wherever possible staff reductions should be in areas that are not associated with reduction in the number of hours that the library system is open. Reduction in hours of service should only occur after other economies have been made.

4. All charges to users that are made by the library for its various services should be reviewed to ensure that subsidies to users are minimized.

Consistent with these recommendations the library is currently reducing book orders and cancelling subscriptions according to a contingency plan developed in a detailed analysis by the library staff. Faculty and departmental library representatives are being extensively consulted to ensure that the reductions in acquisitions are as highly selective as possible. Because of the length of time that elapses between ordering of books and their receipt and of the advance notice required by various publishers it has been necessary to act immedicately to make savings in the current budget year."

Dean Larkin) That the recommendations of the Library
Mr. McInnes) Committee be adopted.

In reply to a query concerning recommendation 3 (a) the Acting Librarian stated that the question of where a unique copy should be kept could only be answered after reasonable study.

In reply to a further query, Mr. McInnes stated that the Library did link up to a data base which povided considerable information. He stated that this method of providing information would not save money but it would increase access to resources in the long run.

During the discussion some members suggested that Departments be consulted before subscriptions were terminated.

Concern was expressed about recommendation 3 (b) and it was felt that Senate should be given more time to consider the implications of this recommendation before voting on it.

In Amendment:

Dean Lysyk) That recommendation 3 (b) be considered at the next
Dean Lusztig) meeting of Senate.

Other business

Library Policy - Senate Library Committee (continued)

In speaking to the amendment, Dr. Spencer stated that, in his opinion, there should be a recommendation to maintain an appropriate balance between periodicals and books. If the rate of inflation were twice for periodicals than for books, freezing the percentage of the acquisition budget for one part of the collection would not preserve that balance. If the rate of inflation for periodicals continued to be higher for periodicals than for books there would be a gradual shift in the other direction; there would be more and more books and fewer periodicals. It was felt that setting the acquisitions budget at 60% for periodicals and 40% for books would not ensure that an appropriate balance in the collections and serials budget would be preserved.

The amendment was put and carried.

The motion, as amended, was put and carried.

Fiscal circumstances of the University

The President made the following remarks on the fiscal circumstances of the University.

"I would like to speak to you tonight about the financial circumstances of the University, because I believe it is essential that all members of Senate be fully informed on this matter.

This University has reached the bottom line - academically and fiscally.

It is clear that our present financial resources cannot continue to support both the quality, the size and the scope of the academic programs we now have, much less sustain sufficient capacity to lead in the exploration of new academic areas. Of course, our current fiscal situation is not unique among institutions of higher education in North America. McGill, for example, has an estimated $15.5 million deficit for 1981-82.

Our finances are in a state of grave uncertainty for three main reasons:

(a) double-digit inflation;

(b) operating grants from government that have fallen significantly below what the university has requested; and

(c) the University does not have the same ability as most of industry to offset rising costs with rising productivity -- there are few, if any, shortcuts to producing highly educated people.

Other business

Fiscal circumstances of the University (continued)

"Let me say a few words on this last point.

The University of British Columbia has become a great university, largely through its firm commitment to quality. It will be able to retain that stature only by continuing to insist on quality. Some of the difficult planning choices that confront the University would be eased superficially if the University were to accept lowering of scholarly standards. But the long-term academic interests of the University, the province and the nation will not be served by letting our standards slip.

Quality education is expensive.

But then, one must ask: What are the costs of having mediocre higher education?

Without a strong commitment to first-class higher education, British Columbia will be condemned to a second-class future.

Let me make a few observations about operating grants from the government. From fiscal year 1975-76 to 1981-82, the cumulative shortfall between grant requested and grant received has been close to $90 million. The shortfall for the current year was over $8 million. I know, and I am sure the Board knows, that the requested grants have always been on the fiscally prudent and conservative side.

Do these shortfalls convey a message to the University?

The provincial government in recent years seems to be saying: "We can afford some higher education, but not too much." Governments can readily contract publicly-funded institutions by stopping to feed their financial growth.

"Obvioulsy the University must seek to demonstrate to the province that the need for higher education is as important as many other public priorities and that the University will return invaluable economic and social benefits in exchange for the province's investment. Perhaps we have not sufficiently communicated to the public and the government the social, cultural and economic benefits of the University. I would welcome any suggestions on how the University may place this issue before the public and the government.

In making suggestions, however, remember that all governments are being told to curb their spending and to stop attempting to balance their budgets on the taxpayer's back.

I know that the continued shortfall in grants is of concern to you. This University had to remove from continuing operating costs in the last five fiscal years approximately $7 million dollars, because operating grants had not kept pace with inflation of salaries and non-salary costs. Obviously, such retrenchments are fraying our shoestring budget and are bringing on acadmic malnutrition.

Our retrenchments were not delusions. - They were real. And they have threatened the whole academic enterprise.

Other business

Fiscal circumstances of the University (continued)

"The belt-tightening already began in 1976, and by 1980 the academic ribs could be counted. The cumulative effect of this compression of funds, plus the announcement of 11.83 per cent increase in the 1981-82 operating grant, which, incidentally, is totally inadequate to meet salary and wage increases and the higher costs of materials and supplies, adds up to a financial crunch of major proportions.

Higher education is not a source of inflation; it is a victim of inflation. Inflation has drastically increased our operating costs, but our income has not increased correspondingly. Inflation is the heaviest tax we have, for we have no direct control over many of our costs. University costs follow the inflationary spiral upward.

About 15 per cent of the total cost of running the university is in non-salary items. Many of these expenses are virtually non-controllable costs, such as heat, light, water, insurance, telephone, paper, books and so forth. For 1982-83 the University has estimated an inflation factor on four distinct components of its budget as follows:

(a) utilities	25%
(b) books and periodicals	22.5%
(c) scientific equipment	17.5%
(d) other supplies	13%
	16.9%

The inflation on supplies will add about $4.7 million to our operating costs in 1982-83.

And this brings me to an assessment of the financial consequences of the arbitrator's award for faculty salaries in 1981-82.

As I said, the University received an increase in the 1981-82 operating grant for general purposes of 11.83%. This represented the limit of the University's ability to pay salary increases in 1981-82. Accordingly, the University's final offer to the Faculty Association was a salary increase of 12% for continuing members, which included 3% for career adjustments.

The Arbitrator, Mr. Bird, awarded an across-the-board increase of 18% in addition to the 3% for career advancement adjustments. Thus, the shortfall is 9% of the salary base and associated fringe benefits for continuing members of the bargaining unit, i.e. 9% of $80,405,000 or $7,236,450.

Hence there is an annual shortfall of over $7 million. While Mr. Bird's appreciation of the need for substantially higher salaries for faculty may be commended, the award totally ignores the University's financial realities, not to mention the serious impact which it must have on the quality of our academic programs.

I have taken three steps to assure that the additional costs and commitments arising from the arbitrator's award can be met. First, I recommended to the Board of Governors that they request the shortfall of over $7 million from the Universities Council in order to maintain the integrity and excellence of existing programs.

Other business

Fiscal circumstances of the University (continued)

"After a lengthy and detailed discussion on this matter, the Board of Governors authorized me to ask the Universities Council for the additional financial resources to meet this shortfall. This request was discussed this morning at a joint Board of Governors and Universities Council meeting. I was encouraged by the Council's reponse to this request, for they indicated a willingness to take up our cause with government.

While I am confident that the University and the Universities Council can and will make a strong case for a higher level of government support, I cannot be too optimistic that the government will bail us out.

We have entered a period of financial stringency. If the goverment fails to respond favourably to our request, then we will have to trim our programs to fit our financial resources.

Second, I have taken steps to cope with the immediate shortfall this fiscal year and to minimize its effect on requirements for future years. Various budget control policies have been implemented to see us through the current year without a deficit and over the long run to adjust commitments so that they are consistent with expected revenues. I fully recognize that these belt-tightening policies are academically painful, but they are necessary to avoid a deficit – which we are not permitted to incur.

Third, and for the longer term, I am in the process of appointing a committee to advise me on the nature and location of retrenchments that may be necessary. I hope this committee will never have to make its recommendations to me. For if they do, succeeding generations will be the losers even more than we ourselves. The maintenance of quality universities is one of the few investments we can make in the future of society. Such an investment must not be thwarted."

At the invitation of the Chairman, Dr. H. J. Greenwood, faculty representative on the Board of Governors, commented briefly on the efforts being made by the Board of Governors to rectify the situation; he also noted the effect lack of adequate funding would have on the future of the University.

Dr. Elder requested that the following extract from the September, 1981 edition of the Faculty association newsletter quoting from the Arbitrator's Award, July 1981, be included in the Senate minutes:

"Cost-of-living

In my opinion, the basic presumption ought to be that in the absence of a case made for more or a case made for less, salaries should be adjusted only to keep up with the inflation rate. There is a presumption, in the absence of specific evidence, that people continue to earn their salaries by doing work of the same real value and the employer is still obligated to pay the same amount in real dollars so that the employees' purchasing power is unchanged. There was no evidence placed before me that could, by any stretch of the imagination, justify a general reduction in the purchasing power of salaries. Accordingly, I conclude that the Faculty Association's members are entitled to a basic salary increase which at least includes a cost of living or inflationary adjustment. I assume that inflation will continue more or less at that rate.

Other business

Fiscal circumstances of the University (continued)

"Catch-up

The range in starting salaries is quite remarkable. For example, in the academic year 1980–81 the lowest starting salary for an assistant professor was $16,500.00 and the highest was $33,000.00. The average was $23,913.00. When one considers the investment in professional education that is necessary in order to qualify one for appointment as an assistant professor at The University of British Columbia, one cannot help being surprised by the lowest starting salary and even the average salary is not much higher than the top of the clerical salary range. Reference to the 'help wanted' advertisements of the daily papers will show that the pay range of assistant professors and the pay of those in ranks below assistant professor overlap with the upper levels of clerical salaries.

In recent years the U.B.C. salaries have slipped in comparison with the earning of many others in the community. There appears to be no justification for the recent considerable decline in the relative position of U.B.C. professors' salaries in the Vancouver area. The decline is contrary to the generally accepted belief of what is fair. I refer to the beliefs held in the community which helps to pay the salaries. . . .

To assert that the earnings of graduates have no relationship whatsoever to the professors who taught them is to assume that the professors' skills are marketable only in the restricted area of university employment. This is, of course, not so. Those who teach surgery, those who teach accounting and those who teach geology, as examples, have skills that are widely marketable. The general community should be looked at in order to ensure that prevailing rates of remuneration are not so high in relation to academic salaries that professors will be attracted in unacceptably high numbers to positions outside the university.

The Association has recognized that the sky is not the limit. It believes that its case for catch-up goes far beyond what it actually asks for in this arbitration.

The Faculty Association made a strong case for a catch-up well beyond what is awarded, being 3.8%. . .but I am obliged to give effect to the University's inability to pay argument. In doing so I am honouring the provision in 'Framework' which requires me to take inability to pay into account. To go beyond what has been awarded would in my judgment based on the evidence create such a level of disruption and distress in the affairs of the University that I would not have taken 'inability to pay' into account in arriving at the determination.

I was invited by Counsel for the Faculty Association to tell the Government to stop squeezing academics' salaries by increasing university grants. The University argued 'public policy' as a justification for 'less than inflation increases'. The Faculty Association countered by referring me to recent substantial salary increases which members of Parliament and members of the Legislature granted themselves. I do not propose to lecture the Government of British Columbia, Parliament or the Legislature. So far as public policy is concerned, in my opinion the members of the faculty have already done more than their share in fighting inflation and under this award will likely continue to do so but in lesser measure."

Other business (continued)

Financial problems and priorities within the University

Attention was again drawn to the establishment of the President's committee to discuss financial problems and priorities within the University. It was suggested that a person from the business community be appointed to the committee. The Chairman stated that it had already been agreed that a Convocation senator would serve on the committee.

Report of the Tributes Committee (in camera)

Honorary Degrees

Dean Larkin reminded members of Senate that the Tributes Committee would be pleased to receive nominations for possible honorary degree recipients. These should be submitted to Dean Larkin, Chairman of the Senate Tributes Committee, incorporating the reasons for the nominaton, along with curricula vitae.

Memorial Minute

The following memorial statement had been prepared in accordance with the custom of Senate in recognition by the University and the Senate of the late Jacob Biely.

IN MEMORIAM

JACOB BIELY

Professor Jacob Biely, an internationally-known Poultry Scientist, died at The Vancouver General Hospital on June 3, 1981, after a brief illness. Professor Biely's association with The University of British Columbia spanned almost 60 years as a student, teacher and researcher.

Jacob Biely was born in Russia in 1903 and was educated in the Siberian town of Chita. He came to Canada with his family following the outbreak of the Russian Revolution. He enrolled at UBC in 1922, and graduated in 1926 as head of the graduating class for the Bachelor of Science in Agriculture degree.

He undertook graduate studies at Kansas State College, where he received the degree Master of Science in 1929. Returning to UBC, he earned the degree Master of Science in Agriculture in 1930.

Professor Biely worked for the Canadian National Research Council before joining the UBC Faculty on a full-time basis in 1935 as an Instructor in Poultry Science. He was appointed Full professor in 1950, and two years later was named Head of his Department, a position which he held until his retirement in 1968.

Report of the Tributes Committee

Memorial Minute (continued)

Even in retirement, however, there was no let-up in the energy which Professor Biely devoted to teaching and research at UBC, and he was a frequent visitor to his campus laboratory up to a week before his death.

At the time of his official retirement his brother, George Biely, established the Professor Jacob Biely Faculty Research Prize for outstanding research. This is the premier research prize awarded by UBC annually to one of its faculty members.

In 1970 UBC conferred on Professor Biely the honorary degree Doctor of Science in recognition of his outstanding contributions to his Alma Mater and to the field of his research.

He was the author of nearly 250 papers on topics related to nutrition and diseases of poultry, and was frequently called on by governments and the poultry industry in an advisory capacity.

His recognition as a researcher led him to be elected a Fellow of the American Association for the Advancement of Science and the Agricultural Institute of Canada. The Poultry Science Association of America elected him a Fellow in 1960 and also presented him with the Ralston Purina Teaching Award for his contributions to the teaching of Poultry Science students. He also received a number of other leading awards for teaching and research, including the Earle Willard McHenry Award of the Nutrition Society of Canada. He was a former president of the Nutrition Society of Canada and former chairman of a number of committees of the National Research Council and the Federal and Provincial Departments of Agriculture.

He was a Fellow of the Royal Society of Canada, this country's most prestigious academic organization; Fellow of the Agricultural Institute of Canada; Fellow of the American Society of Poultry Science and the recipient of numerous awards for his distinguished achievements in research.

He represented the Faculty of Agriculture on the UBC Senate from 1948 to 1954.

Senate expresses its deepest sympathy to his wife, Judith, his brothers, George and Miguel, his sons, Robert and Gordon, his daughters, Mrs. Martin Barer and Mrs. Burle Yolles, and other members of the family.

Dean Larkin) That the memorial statement for Jacob Biely be
Dr. Shaw) spread on the minutes of Senate and that a copy be sent to the relatives of the deceased.

Carried

The meeting adjourned at 10.00 p.m.

The next regular meeting of Senate will be held on Wednesday, October 14, 1981.

Secretary

Confirmed

Chairman

APPENDIX

New awards recommended to Senate

Alcan Fellowships in Japanese Studies - A fellowship in the amount of $6,000 is made available by the Aluminium Company of Canada Ltd., for a student who has completed his or her undergraduate program and is continuing studies at The University of British Columbia leading to a master's or doctoral degree in Japanese studies. Preference will be given to applicants who wish to pursue studies in the field of the contemporary Japanese economy. During the tenure of the award, the holder may not accept any position of employment except such teaching duties as may be assigned by, or at the discretion of, the Head of the Department. The award will be made on the recommendaton of the Faculty of Graduate Studies. The award will be available for two years commencing in the 1981/82 academic year.

American Academy of Oral Pathology Award - The American Academy of Oral Pathology will make available a certificate of merit for the graduating student showing the greatest interest and ability in the field of oral pathology.

American Association of Endodontists' Award - A certificate and subscription to the Journal of Endodontics has been made available by the American Association of Endodontists for the student demonstrating exceptional ability in the area of endodontics during his/her dental training. The award will be made on the recommendation of the Faculty.

American Association of Orthodontists' Award - The American Association of Orthodontists will provide a certificate of merit to the graduating student who demonstrates exceptional interest in the development of the oro–facial complex. The award will be made on the recommendation of the Faculty.

American Concrete Institute, British Columbia Chapter, W. G. Heslop Scholarship in Civil Engineering - A scholarship in the amount of $1,000 has been established by the British Columbia Chapter of the American Concrete Institute to honour the memory of the late Wilfred Gibson Heslop, Professor Emeritus of Civil Engineering at The University of British Columbia. The award will be made on the recommendation of the Department of Civil Engineering to a graduate student carrying out research which will lead to an improvement in the design, construction, manufacture, use or maintenance of concrete products or structures.

American Institute of Architects Certificate of Merit - A certificate of merit is made available annually by the American Institute of Architects, to the second ranked graduating student in each architecture program accredited by the National Architectural Accrediting Board. The award will be made on the recommendation of the Faculty.

American Institute of Architects Henry Adams Medal - A medal and certificate is made available annually by the American Institute of Architects, to the top ranked graduating student in each architecture program accredited by the National Architectural Accrediting Board. The award will be made on the recommendation of the Faculty.

B.C. Association of Laboratory Physicians Prize in Pathology - A prize in the amount of $500 has been made available by the B.C. Association of Laboratory Physicians. It will be awarded on the recommendation of the Department of Pathology to a member of the graduating class who has demonstrated proficiency and interest in the study of Pathology in the undergraduate program.

APPENDIX

New awards recommended to Senate (continued)

Bell Farms Ltd., Fellowhip in Economics - A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student writing a dissertation in the area of "guaranteed annual income" or "negative income tax" schemes of social security. The award will be made on the recommendation of the Department of Economics.

Bell Farms Ltd., Fellowship in Pomology - A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student whose thesis research is directed toward improvement of knowledge of the cranberry plant, its culture and production. The award will be made on the recommendation of the Faculty of Agricultural Sciences.

Bell Farms Ltd., Fellowship in Transportation - A fellowship in the amount of $3,000 has been made available by Bell Farms Ltd., to support a graduate student in the Faculty of Commerce and Business Administration doing research in connection with bus cooperatives or 'bus pools' and their relevance to urban transportation. The award will be made on the recommendation of the Faculty.

William G. Black Memorial Prize - A prize in the amount of approximately $1,000 has been made available by the late Dr. William G. Black, B.A. 1922, who retired from the Faculty in 1963 after after many years of service. The award will be made for an essay on a topic related to some aspect of Canadian citizenship. The topic will be established annually and the winner selected by a committee consisting of representatives of the Faculty of Law and the Departments of Anthropology and Sociology, History and Political Science. The University reserves the right to withhold the award in any given year if there are no essays submitted of an appropriate calibre. Further information on the award may be obtained by writing to the William G. Black Memorial Prize Committee, c/o the Department of Anthropology and Sociology. Deadline for submission of completed essays is April 1st.

Warring Paxton Clarke Graduate Scholarship in Finance - This scholarship is to be awarded annually to a graduate student at The University of British Columbia in the Faculty of Commerce and Business Administration who has completed the first year toward the Master of Business Administration or Master of Science degree with the highest standing and is proceeding to full time study in the second year with a concentration in finance and/or security analysis. The scholarship is in the amount of $1,000.

Dr. Derek Daniel Wolney Memorial Resident Prize for Clinical Proficiency in Anaesthesia – An annual prize in the amount of $200 has been established in memory of Dr. Derek Daniel Wolney, by his friends and associates. Dr. Wolney, M.D. U.B.C. 1976, was in the final year of his four–year post–graduate training program and at the time of his passing in 1980 he was Resident–in–Chief. He is remembered well for his excellence in clinical anaesthesia. The prize will be awarded to the resident in the Department of Anaesthesiology Resident Training Program (any year of Training eligible) considered by the Department as having demonstrated the highest level of clinical proficiency in anaesthesia.

APPENDIX

New awards recommended to Senate (continued)

Faculty of Applied Science Prize - A prize in the amount of $200 has been made available by Dr. V. J. Modi, Professor of Mechanical Engineering, on the occasion of his receipt in 1981 of the Jacob Biely Faculty Research Prize in recognition of his outstanding contributions to the fields of satellite mechanics, aerodynamics, ocean engineering and biomechanics. This prize, to promote and recognize academic excellence, will be awarded to a student in the graduating class in the Faculty of Applied Science on the recommendation of the Dean.

Oscar Engelbert Forsberg Memorial Scholarship - A scholarship of $500, established as a memorial to Oscar Engelbert Forsberg, who immigrated to Canada from Sorsele, Sweden in 1928, by his wife Winnifred, is offered to a medical student with a good academic record to provide assistance with the cost of the student's education. The award will be made on the recommendation of the Faculty of Medicine.

Donald C. Gibbard Scholarship in Music Education - A scholarship in the amount of approximately $100 has been established in honour of Donald C. Gibbard, who was for several years Chairman of the Music Education Department. It will be awarded, on the recommendation of the Department, to an outstanding student in Music Education in the Faculty of Education.

Hosptial Employees' Union (Lions Gate Unit) Bursary - A bursary in the amount of $500 is offered by the Lions Gate Unit of the Hospital Employees' Union, Local 180. The bursary is available to students who are continuing or proceeding in the fall from Grade 12 to a full program at The University of British Columbia, University of Victoria, Simon Fraser University, or any of the colleges in British Columbia, in any field leading to a degree, or leading to a diploma in technology at the B.C. Institute of Technology. To be eligible, an applicant must be a member or the son or daughter of an active member of the Union ("active" being interpreted as on the staff of a hospital within the jurisdiction of the H.E.U., or on the staff as of January 1 of the year of award but since superannuated). The information given in the application must clearly establish the applicant's connection with the H.E.U. The bursary will be awarded to the candidate who, in the opinion of the University (in consultation with the Union), is best qualified in terms of financial need.

Investment Dealers Association Bursary - A bursary in the amount of $700, the gift of the Investment Dealers Association of Canada, is offered to a student entering the final year of the B.Com. program in a course of study related to the investment field.

Dr. Peter Gee-Pan Mar Memorial Scholarship - A scholarship in the amount of $300 has been made available by family and friends in memory of the late Dr. Peter Gee-Pan Mar. The award will be made on the recommendation of the Department of Biochemistry, to a student entering fourth year Science and proceeding toward the degree of B.Sc. (Honours) in Biochemistry. Preference will be given to candidates born in Canada, of Chinese ancestry.

APPENDIX

New awards recommended to Senate (continued)

Monenco Scholarship -A scholarship in the amount of $750 has been made available by Monenco Limited to commemorate the 75th anniversary in 1982 of the Montreal Engineering Company Limited. The award will be available for a five year period commencing with the 1982/83 academic year and will be awarded to a student entering the final year of Engineering. The candidate selected will be deserving both from the stand point of academic ability and overall contributions to the life of the University. The award will be made on the recommendation of the Faculty of Applied Science.

Pfizer Canada Inc. Scholarship in Pharmacy - A scholarship in the amount of $500 has been made available by Pfizer Canada Inc. The award will be made to a student entering the final year in the Faculty of Pharmaceutical Sciences and will be made on the recommendation of the Faculty. In making the recommendation, the financial circumstances of the candidate may be a consideration.

Porte Realty Ltd., Scholarship - This scholarship of $500, a gift of Porte Realty Ltd., is offered annually to a student specializing in Urban Land Economics in the Faculty of Commerce and Business Administration.

Robert Y. Porte Community Pharmacy Residency Memorial Scholarship - A scholarship provided from the revenue of the funds established by the Shopper's Drug Mart Associates will be awarded annually to a student accepted into the Community Pharmacy Residency Program. The maintenance of a satisfactory scholastic record, interest in student and professional affairs and financial need will be considered in the selection process.

Rotary-Todokoro Prize in Cardiology - This prize of $500 is given annually to the resident who has put forth the best research effort in the two year program in Cardiology at the U.B.C. Faculty of Medicine.

Jean Marie Sherwin Bursary in Law - A bursary in the amount of approximately $450 has been made available by the late Jean Marie Sherwin of Victoria, B.C. The award will be made to a student at either the undergraduate or graduate level in the Faculty of Law. In selecting the candidate, the student's ability, enthusiasm and aptitude will be considered.

Jean Marie Sherwin Bursary in Social Work - A bursary in the amount of approximately $450 has been made available by the late Jean Marie Sherwin of Victoria, B.C. The award will be made to a student at either the undergraduate or graduate level in the School of Social Work. In selecting the candidate, the student's ability, enthusiasm and aptitude will be considered.

Harry and Hilda Smith Foundation Scholarships - one or more scholarships to the amount of approximately $1,000 have been made available by the Harry and Hilda Smith foundation. The late Harry Smith was a pioneer in the wholesale book business in Vancouver, having opened the first such facility in the city in 1933. He had a life-long interest in books which is continued by his wife Hilda. The scholarship or scholarships will be made on the recommendation of the Department of Creative Writing to a student or students, graduate or undergraduate, on the basis of ability in Creative Writing and of financial need.

APPENDIX

New awards recommended to Senate (continued)

Texaco Canada Fellowship in Coal Pyrolysis - A fellowship in the amount of $6,500 has been made available by Texaco Canada Resources Limited to support a student in the field of coal pyrolysis. The award is available to students in mechanical, chemical, electrical, or civil engineering and will be awarded on the recommendation of the Faculty of Applied Science, in consultation with the Faculty of Graduate Studies. The award may be renewable, subject to satisfactory performance.

James Robert Thompson Fellowships - One or more fellowships totalling approximately $7,200 have been made available by the late James Robert Thompson. B.Com., 1967. The awards will be made on the recommendation of the Faculty of Graduate Studies to a student or students planning a career related to preservation of the natural environment. It was the expressed wish of the donor that recipients of the fellowship would demonstrate a desire to use their talents and abilities to establish a significant career role in preserving the natural and wilderness areas in B.C. and the Yukon.