

May 19, 1993

The Ninth Regular Meeting of the Senate of The University of British Columbia for the Session 1992-93 was held on Wednesday, May 19, 1993 at 8:00 p.m. in Room 102, George F. Curtis Building.

Present: President D. W. Strangway, (Chair), Chancellor L. R. Peterson, Vice-President D. R. Birch, Mr. S. Alsgard, Mr. D. A. Anderson, Mr. J. A. Banfield, Dean pro tem. M. A. Boyd, Dr. D. M. Brunette, Dr. D. G. A. Carter, Professor E. A. Carty, Dr. S. Cherry, Ms. L. Chui, Dr. T. S. Cook, Dr. J. D. Dennison, Mr. W. F. Dick, Mr. M. A. Fuoss, Mr. E. B. Goehring, Dean M. A. Goldberg, Dean J. R. Grace, Dr. S. E. Grace, Dr. R. D. Guy, Dr. S. W. Hamilton, Rev. J. Hanrahan, Mr. A. Janmohamed, Dr. J. G. T. Kelsey, Mr. G. Kettyle, Mr. H. Leung, Dr. S. C. Lindstrom, Dr. D. M. Lyster, Dean M. P. Marchak, Mr. P. R. Marsden, Dean B. C. McBride, Dr. J. A. McLean, Dean J. H. McNeill, Mr. W. B. McNulty, Dean A. Meisen, Dr. A. G. Mitchell, Mr. J. A. Olynyk, Dr. R. J. Patrick, Ms. B. M. Peterson, Dr. C. Price, Mr. A. A. Raghavji, Professor R. S. Reid, Dr. P. Resnick, Dean J. F. Richards, Mr. M. M. Ryan, Dr. G. G. E. Scudder, Dr. R. A. Shearer, Dean N. Sheehan, Dr. C. E. Slonecker, Dean C. L. Smith, Dr. L. de Sobrino, Dr. L. J. Stan, Mr. M. Sugimoto, Mr. G. A. Thom, Dr. J. Vanderstoep, Dr. D. A. Wehrung, Dr. R. M. Will, Dr. D. Ll. Williams, Mr. E. C. H. Woo, Ms. N. E. Woo, Mr. C. A. Woods.

Messages of regret for their inability to attend were received from Dr. A. P. Autor, Dean C. S. Binkley, Professor P. L. Bryden, Dr. R. L. Chase, Mr. N. A. Davidson, Dr. K. Dawson, Dr. G. W. Eaton, Ms. C. L. Greentree, Dean M. J. Hollenberg, Mr. F. B. N. Horsburgh, Dr. M. Isaacson, Dr. M. M. Klawe, Dr. H. McDonald, Mr. R. S. McNeal, Rev. W. J. Phillips, Mr. M. G. Schaper, Mr. A. J. Scow, Ms. S. J. Spence, Dr. R. C. Tees, Dr. W. Uegama, Dr. J. M. Varah, Dr. W. C. Wright, Jr.

Senate membership

Replacement (*University Act*, section 35 (5))

Mr. Hugh Leung replaces Mr. Bruce Burgess as student representative of the Faculty of Dentistry.

Minutes of the previous meeting

Dr. Birch }
Mr. Woo }

That the minutes of the eighth regular meeting of Senate for the Session 1992-93, having been circulated, be taken as read and adopted.

Carried

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Business arising from the MinutesLibrary

Dr. Shearer reminded Senate that at the previous meeting he had raised a question about the transfer of books to the Lam Library, and asked the University Librarian, Dr. Patrick, if she would comment on this matter.

In response, Dr. Patrick stated that when the Lam Library was originally constructed the intention was that the business collection would be moved to the Lam Library. The Library received a proposal from the Faculty of Commerce and Business Administration and although most of the items in the proposal were acceptable it did not meet the policies and procedures for the establishment of a new branch library on campus. The policies and procedures require the approval of the Senate Library Committee, the President and any Deans involved in the proposal. The response of the Senate Library Committee was to reaffirm the present guidelines and state that it would be willing to consider a proposal if it were more closely aligned with the guidelines for a branch library.

Chair's remarks and related questionsMembers of Senate

President Strangway expressed thanks and appreciation to Chancellor Peterson and other members of Senate attending their last meeting. He noted that the longest serving members were Dr. Dennison – 21 years, Dr. Scudder and Mr. Thom – 15 years, and Mr. Ryan, Dr. Sobrino, Mr. Sugimoto and Ms. Woo – 9 years.

Teaching Evaluation

President Strangway reminded Senate that one of the recommendations of the *Ad Hoc* Committee on Teaching Evaluation was that the Vice President Academic be

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Chair's remarks and related questions**Teaching Evaluation** (continued)

required to report annually to Senate on issues contained in that report. The President asked Dr. Birch to present his report.

Dr. Birch explained that Heads, Directors and Deans are required to report annually on actions taken in response to assessments of teaching that were less than satisfactory, and that the Academic Vice President is required to provide a summary of those reports to Senate.

Dr. Birch reported that each of the reports from Deans included a description of the Faculty's approach to student evaluation of teaching, and each of those reports indicated that faculty members and other instructors were overwhelmingly evaluated as excellent, very good or good in the quality of instruction delivered.

The approach taken by each Faculty differed. One faculty indicated that they scrutinized everyone in the lowest 25% of evaluations received to determine a strategy for addressing concerns that had arisen. Other Faculties and Department within Faculties only dealt with those people who were in a category defined as less than satisfactory. Overall, recognizing that there were a variety of different approaches, the number defined as less than satisfactory was approximately 30 out of over 2,000 faculty members and other instructors giving instruction to students in 1991-92.

In many of the reports received from Deans, reasons given for teaching that was less than satisfactory included inexperience, language difficulties, and team teaching where the instructional team was incompatible. There was a large variation in the responses of first year classes where some students found the teacher outstanding while others found the person less than satisfactory. In such cases it was difficult to determine how to interpret the evaluations.

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Chair's remarks and related questions**Teaching Evaluation** (continued)

Dr. Birch went on to outline some of the actions taken by Faculties in an attempt to enhance the quality teaching. In cases where this was not successful, either reappointment did not take place, tenure was denied, or in some other way the use of that person as a faculty member giving instruction to students at this university ended. Dr. Birch stressed, however, that, overall, only a small proportion of teaching was less than satisfactory.

In conclusion, Dr. Birch stated that teaching evaluation is an important consideration in the allocation of merit increments, salary reviews, promotion, and the awarding of teaching prizes, and that the University needs to be very careful about establishing a developmental and remedial programs where it is called for.

Dr. Kelsey, co-chair of the Committee, thanked Dr. Birch for his report.

Candidates for Degrees

Lists of candidates for degrees, as approved by the various Faculties and Schools, were made available for inspection by Senate members prior to the meeting.

Dean McBride }	That the candidates for degrees and diplomas, as approved by the Faculties and Schools, be granted the degree or diploma for which they were recommended, and that the Registrar, in consultation with the Deans and the Chair of Senate, make any necessary adjustments.
Dean Marchak }	

Carried**Scholarships and Awards**

A list of scholarships, medals and prizes awarded to students in the graduating classes was circulated for information.

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Scholarships and Awards (continued)

Dr. Cook informed Senate that 10 of the 27 winners of awards entered UBC directly from B.C. high schools, 3 from B.C. colleges or BCIT, 3 from other B.C. universities, 4 from Canadian universities or colleges, and 7 from United States universities or universities abroad. Dr. Cook noted that the number of award winners who had entered UBC directly from B.C. high schools was equal to that of the last few years. The number from B.C. colleges was slightly smaller while the number from other Canadian universities or colleges was slightly larger. Of the heads of the graduation class, three were major entrance scholarship winners and four are Wesbrook scholars, which is the major honorary scholarly assignment at UBC.

Reports of Committees of Senate**Budget Committee**

Dr. Wehrung, Chair of the Committee, presented the following report which had been circulated:

"Past reports to Senate by its Budget Committee have restricted their description of the Committee's activities to the previous year's work. Since its last report to Senate in April 1992, the Committee has met 19 times to discuss a wide variety of issues pertaining to the University's operating budget, and our particular emphasis has been on the impact of budgetary decisions on academic operations.

This year's report will try to provide a somewhat longer-term view to help the Senate understand the scope of the Committee's deliberations and the constraints under which it operates. The views that follow reflect the collective experience of Committee members who have served on the Budget Committee, some for as many as six years.

The Role of the Budget Committee

The role of the Budget Committee is stated in the University Act which gives the Senate the power to **"establish a standing committee to meet with the president and assist him in the preparation of the university budget"** (section 36e). In addition, the University Act gives the president the duty to **"prepare and submit to the board an annual budget in consultation with the appropriate standing committee of the senate"** (section 59.2).

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Reports of Committees of Senate**Budget Committee****The Role of the Budget Committee** (continued)

This role has been confirmed and amplified in the deliberations of Senate which state that the terms of reference for the Budget Committee are

"To meet with the President and assist him in the preparation of the University budget; to make recommendations to the President and to report to Senate concerning academic planning and priorities as they relate to the preparation of the University budget" (Senate minutes p. 6239 and 7721-2).

Summary of Committee's Deliberations Over Past Several Years

In its role to assist the President in the preparation of the University budget the Committee has undertaken the following activities over the past several years:

Revenue Enhancement

The Committee discussed with the President his strategies for increasing and preserving sources of revenue including deliberations with the Ministry regarding the Provincial grant. These issues have included "funded" and "unfunded" students, tuition fee strategy, strategies regarding user fees, the capital preservation policy for endowed funds, the Green College proposal, and Provincial "matching funds" for capital projects. The Committee has been generally supportive of these strategies, but has continued to provide the advice that the University should not accept new sources of funding that impose significant additional costs on the operating budget that are not directly funded unless there is a clear understanding of how these additional costs will be met. For example, new capital projects require funds for maintenance, utilities, supervision, furnishings, equipment, insurance, and security as well as the capital costs of the actual building. Moreover, significant new building in a single segment of the campus may require significant upgrading or additions to the infra-structure in this segment such as providing new power, heat, telecommunications, sewage, etc. Such new additions can be very costly because increments have to be made in large amounts even though the new building requires only a small additional resource.

Comparisons Between Faculty and Non-Faculty Units Over Time

Consistent with the desires of Senate members, the Committee has discussed trends over the past several years in the expenditures and budgeted FTE positions established for support staff in existing and new central administrative units in comparison with expenditure and positions provided for academic and support staff in the Faculty units taken as a whole. Information on this subject has been reported periodically at Senate meetings.

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Reports of Committees of Senate**Budget Committee (continued)****Comparisons of Budgets Across Faculties**

The Committee has reviewed the levels of expenditure across Faculties with special attention put on the ratio of operating budget per weighted full-time-equivalent student. Faculties were discussed one at a time in groups having similar academic perspectives and budgetary requirements. Discussion focused on appropriate levels for this ratio for each Faculty, existing and desired trends in student enrolments for individual Faculties, and plans for any budgetary changes. These reviews included comparisons of UBC Faculties with data from similar units at other Canadian universities, and they enabled us to better understand differences in expenditures across Faculties. The Committee noted that these ratios ranged from 0.7 of the University's average expenditure per weighted enrollee to 4.0 times this average.

Review of Selected Individual Faculties, Academic Service Units, and Administrative Units

Rather than reviewing all the budgetary units within the University individually, the Committee has focused its efforts on providing a more in-depth discussion of selected Faculties, academic service units, and administrative units. During the past two years, polls of Committee members identified the Faculties of Agricultural Sciences, Dentistry, Forestry, Graduate Studies, and Medicine as Faculties that could be examined in these first two rounds as well as the academic service units of the University Library and Continuing Studies, and the administrative units of Campus Planning & Development, Community Relations, the Development Office, and Information Systems Management. A considerable amount of the Committee's time over the past two years has been spent on these reviews.

The administrative heads of each of these units were invited to meet with the Committee to discuss the activities of their units and their budgetary implications. The purpose of examining particular units is to provide a greater understanding of the relationship between the activities of the unit and its funding levels. An extensive list of questions from Committee members was sent to each administrative head before the meetings. These questions have included "What sources of funding does your unit have to support its activities other than the UBC operating budget and how large is this funding?", "How do your unit's costs compare with those of other public or private organizations outside the university?", "How well is your unit funded and staffed relative to similar units at comparable universities?", "What measures are used to determine the extent to which your unit is getting maximum value per dollar expended?", "What cost recovery fees does your unit charge to other units on campus for your unit's services?", and "How would your unit deal with a cutback of 5%? 10%?"

All of these meetings have already been held with the exception of the Faculty of Medicine which will occur in mid-May. These meetings have been valuable to the Committee in understanding aspects of individual budgetary units that cannot be fully reflected in statistical summaries.

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Reports of Committees of Senate

Budget Committee

Funding of Infra-structure Costs

The President discussed with the Committee his strategy for funding the University's infra-structure costs and solicited its views. The Committee endorsed the President's strategy by recommending that "A percentage of operating budget increases from "Access funds" and other sources should be allocated to administrative, library, and other support services to reflect the additional infra-structure costs incurred."

Strategy for Accommodating Faculty Salary Increases in Excess of Amounts Budgeted

The University has undergone budget adjustments of \$ 3.1 million during 1992/93 and \$ 2.0 million during 1991/92 which resulted from faculty salary increases in excess of the amounts budgeted. The President and Vice-President Academic discussed with the Committee their strategy for dealing with these adjustments. The Committee advised the President that "to the extent that subsequent budget revisions were required, the priorities and principles recommended by the Committee to the President should be used to make changes (both increases and decreases) in the total budgets allocated to Faculty and non-Faculty units."

Monitoring Actual Versus Budgeted Expenditures

The Committee was not informed that the University faced a deficit of \$2.1 million in its operating budget for 1990/91 until 2 months after the close of the 1990/91 fiscal year. Although this deficit was a one-time shortfall which represented less than 1% of the General Purpose Operating Budget in 1990/91, the Committee requested that it be kept informed of these matters in a more timely manner. It went on to pass a motion "That a comparison of budget with actual performance be provided to the Senate Budget Committee before the end of the calendar year in each fiscal year." This comparison was provided belatedly during the 1991/92 year, and at an appropriate time during the 1992/93 year. With these changes the Committee is able to play a more active role in assisting the President in monitoring actual expenditures against budgeted expenditures and recommending mid-course corrections as appropriate.

University Hiring Freeze - Spring 1993

The Committee was informed of the recent University-wide hiring freeze after it was put into place. The President's Office subsequently answered questions about the implementation of the hiring freeze, and Committee members provided their viewpoints during general discussion.

Other Issues

Over the past several years the Committee has also discussed issues such as the University's building program, the distribution of funds from the "Access for All" program, transfer and liaison arrangements between UBC and the community colleges, tuition fee strategy, enrolment planning and its link to budget matters, a complete costing of the Ritsumeikan

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Reports of Committees of Senate**Budget Committee** (continued)

program, the Green College initiative, and the Dupre Report on University Financing in British Columbia. The Lusztig report on administrative costs at the 3 major Provincial universities is currently being discussed by the Committee, and it may be able to make an oral response at the May meeting of Senate to a question posed about the report at the April meeting of Senate.

Motions on President's Recommended Operating Budgets for 1990/91, 1991/92, and 1992/93

Each year the President's Office seeks the advice of the Committee on various aspects of the upcoming year's operating budget. During the September through May period this advice is usually sought in very general terms, including discussion of the priorities and principles that should guide budgetary considerations. More intensive discussions of the budget are usually held at a series of two or three meetings that are held close together in June and/or July when the Committee is given the draft operating budget for comment. The usual time period between when the Committee first sees the draft operating budget and when it is expected to provide its final advice is approximately 10 days. The Committee's activities end each year with the passing of a final motion that communicates its views about the President's strategy for the upcoming year's operating budget.

Several themes have remained consistent over the past several years in the advice provided by the Committee:

1. The Committee has recommended that the President ensure funding be allocated in such a manner so as to maintain the strength and quality of the University's academic teaching and research programs.
2. The Committee has reaffirmed on several occasions its view that budgetary increases, reallocations, and reductions should reflect priorities across the University's activities and these priorities should be reflected in differentiated reallocations – both among the vice-presidents and among the units reporting to each vice-president rather than across-the-board reallocations.
3. When budget reductions were required, the Committee has recommended that they be implemented via differentiated cuts that fall more heavily on administrative units than on Faculties.

Areas of Significant Progress Over Past Several Years

During the past several years the President's Office has reported significant progress to the Committee in many areas of the University's operations. Some of these areas of progress have included:

1. Maintaining lower student/faculty ratio than most major Canadian universities.
2. Making progress in improving faculty salaries relative to those at other Canadian universities.

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Reports of Committees of Senate**Budget Committee** (continued)

3. Increasing operating budgets for the Faculties and academic service units in constant dollars over the past 5 years.
4. Constructing new facilities via the "World of Opportunity" campaign and direct provincial funding.
5. Making progress in attracting new faculty by creating faculty housing and the faculty mortgage assistance plan.
6. Encouraging faculty renewal through the early retirement program. (Note that 30% of all faculty have been appointed within the past six years.)
7. Increasing graduate enrolment between 1988/89 and 1991/92 in concert with the "Access for All" program.
8. Dramatically increasing the level of support for teaching assistantships and university graduate fellowships.
9. Major restructuring in some non-Faculty units resulting in cost savings and productivity increases.
10. Using a portion of tuition fee increases in 1991/92 and subsequent years to create the President's Teaching and Learning Enhancement Fund to support innovative projects for teaching and learning and to increase student financial aid.
11. Developing a predictable tuition fee strategy based on increases in cost-of-living and other factors.
12. Investing in support units designed to enhance revenue opportunities.

The Committee concurs that significant progress has been made in many of these areas.

Need For Changes in Process of Consultation with Budget Committee

The effectiveness of the Committee is predicated on the assumption that the President's Office will engage in full and open consultation with the Committee on all matters of policy and the decisions which follow concerning the administration of the University's budget. Without such consultation the Committee is unable to perform its role to its satisfaction. What are the constraints under which the Committee operates and how might the consultative process be improved?

The truest test of whether consultation with the Budget Committee is fulfilling its intended role in the University Act is whether the decisions brought to the Committee for consultation ever change after the consultation has occurred. If the answer is in most cases "no", then the consultation is more apparent than real.

The Committee acknowledges that its advice may have been influential on some issues that have been brought to it for discussion such as tuition fee strategy and the impact of capital projects on operating costs. However, members feel that their advice infrequently changes decisions that are brought to it for consultation. The Committee understands that delays in receiving the Provincial grant often leave the administration with very little time to construct a budget and this often contributes to consultation occurring after rather than before decisions are made. The Committee also

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Budget Committee (continued)

understands that it is not a full partner with the President's Office in reaching decisions. Nonetheless, the Committee is uncomfortable with the limitation that its advice can only influence in a general way the subsequent year's budgetary decisions which are made significantly after the advice is given.

The Committee feels that too much of its time is focused on consideration of the past rather than the future. For example, members feel that too much of the Committee's time is taken up on retrospective reviews of past UBC Financial Statements and decisions that have already been made and too little of its time is spent on discussing budget strategies and allocations to units before they are firmly committed.

Therefore, the Committee requests that the President seek its advice before key decisions are made when they are in the formative stages, and that its advice be sought on future budget strategies and allocations to units rather than on reviews of decisions that have already been made.

As stated above, the University Act gives the Budget Committee the role of assisting the President in the preparation of **the university budget**. Most of the issues on which the Committee's advice has been sought have involved the University's **General Purpose Operating Budget** which consists primarily of funds from Provincial grants and tuition fees which totalled about \$334 million in 1991/92. Several budgetary units such as the Development Office, Campus Planning & Development, and Information Systems Management receive significant portions of their funding from funds other than the General Purpose Operating Budget. These sources of funding usually appear as "cost recoveries" or transfers across funds. The Committee has continual difficulty seeing the total budgets for such units when it is providing advice on the relative size of budgets such units should receive. To assist the President in preparing budgets for all University budgetary units, the Committee should continue to have access to information about all sources of revenue, including cost recoveries, available to each budgetary unit, not just revenue from Provincial grants and tuition.

The Committee feels that the changes suggested above will improve its ability to carry out its statutory role.

The Resource Challenge Facing the University

All levels of government in Canada and in many other countries are facing very difficult fiscal environments. Taxpayers may have reached the limit of their willingness to provide additional monies to support public services. The internationalization of markets, the move to freer trade, and increased international competition have forced countries and provinces to dismantle protective mechanisms which earlier had protected domestic organizations from some aspects of international competition and provided revenues which could be used to support public services. The public is increasingly aware of how persistent financial deficits force an increasing percentage of scarce public revenues to be spent on servicing the growing Provincial and federal debt. At the same time, the demands on public organizations for services such as health care, education (at all levels), and social services continue to grow.

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Reports of Committees of Senate**Budget Committee** (continued)

As a result, many public and private sector organizations in Canada and elsewhere face very significant pressures to change. These pressures are now affecting the organizations of higher education in the Province in general, and UBC in particular. Many of these pressures take the form of restricted funding for universities and community colleges.

UBC now faces several constraints on its major sources of funding. First, because of the Province's difficult fiscal situation, grants to institutions of higher education have been under pressure. The 3% increase to institutions of higher education in 1993/94 was targeted at the University of Northern British Columbia and the community colleges rather than the 3 large Provincial Universities. This left UBC with a 0% increase in its Provincial grant for 1993/94 (President's "Dear Colleague" letter of 16 February 1993). The "Access for All" program has been the primary focus for growth at UBC during the past several years. Although the 3 largest Provincial universities were early beneficiaries of this program, the University of Northern British Columbia and the community colleges have been targeted as the principal beneficiaries in the later stages of the program. Therefore, the "Access for All" program seems unlikely to provide significant additional funding to UBC without significant increases in the numbers of students the University is willing to accept. Although the University must continue to make every effort to make a strong case to the Provincial Government for an adequate level of funding, the Committee believes that grants to institutions of higher education are unlikely to grow at better than the inflation rate and they could go down in absolute dollars until the Province's debt situation has been alleviated.

Second, factors in today's environment have limited increases in student tuition fees. For example, the Provincial Government asked the Board of Governors to observe a moratorium on tuition fee increases for 1991/92. More recently, the Provincial Government announced that tuition fee increases in excess of 9.75% would result in an equivalent reduction in the Provincial grant to the University. Even if there were no provincial influences on tuition fees, there is a limit to what some students can afford in the current economy. Although the University has adopted a responsible policy of devoting part of the revenue from fee increases to student aid, there is a limit to the extent to which higher fees can be depended on for additional revenue without restricting the access of some qualified but less affluent students.

Third, a number of changes have occurred regarding the University's endowment funds. Largely as a result of the World of Opportunity Campaign, the University's endowments have increased from \$106,641,000 in 1984/85 to \$180,686,000 in 1991/92. These funds will allow the University to carry out a number of new activities, but most of these new endowments are not available as sources of general revenue. In addition, the Board of Governors has recently adopted a "capital preservation policy" to preserve the purchasing power of the endowment funds. This policy limits payout from endowments to a maximum of 7% annually in 1993/94 and 6% annually in 1994/95 and subsequent years. In 1992/93 and prior years, units that controlled endowment funds could spend the entire market payout from endowments, which in some years

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Reports of Committees of Senate**Budget Committee** (continued)

exceeded 20% per year. Because of high inflation, this return was deceptive. Paying it out, and spending it, reduced the real purchasing power of the endowment, reducing its effectiveness in future years. For this reason, the Committee has endorsed the capital preservation policy, but its short-term consequence is that, although the endowment funds have grown rapidly in recent years, the total payout from endowment funds as a source of current revenue will not be up significantly from prior years.

The Committee notes that there are some sources of revenue, such as that from research grants and research contracts, that are expected to grow. These sources of revenue will continue to fund many critical activities in the University. However, these sources of revenue are not normally available to finance general operations directly.

As a result of these constraints on its traditional sources of revenue, the Committee believes that all parts of the University must prepare to live within more limited means than in the recent past. The challenge we all face is how to find positive and creative ways to do more with less because this reflects the fiscal reality faced by all levels of government that there are fewer dollars available to carry out the public services that are needed. We must simultaneously use this challenge as an opportunity to perform our missions more efficiently with fewer resources and to seek alternative sources of funding for pursuing these missions. The Committee feels strongly that we should begin planning now for how we are going to deal with constraints on revenues that could extend into the future, so that we can avoid the more serious problems that a declaration of financial exigency would impose on the University if we were unprepared for it. A later section of this report discusses financial exigency and why we need to avoid it.

Facing the Resource Challenge Without Jeopardizing the Academic Mission of the University

In the current fiscal climate the Committee feels that we cannot go on with "business as usual". We should be planning now to respond to the possibility of restricted revenues for some years to come. The Committee believes that such planning must be done under the premise that we protect the primary academic mission of the University first and foremost. The University needs to focus on global options for responding to restricted revenues without simply cutting indiscriminately at all of its components via across-the-board reductions. The question then becomes "What areas of activity can sustain reductions in General Purpose Operating Budget or endowment funding allocations without seriously jeopardizing UBC's primary mission of creating and disseminating new knowledge?"

The Committee has focused on the following strategies for meeting this resource challenge:

First, the Committee feels that significant savings are possible throughout the University by streamlining the management of administrative, academic, and service units and simplifying organizational structures and administrative processes. More specifically, these savings might be achieved in the following ways:

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Reports of Committees of Senate**Budget Committee** (continued)

1. Reducing the size and cost of management within all units of the University. Currently the University has 5 Vice Presidents, 7 Associate Vice Presidents, 12 Deans, 32 Associate Deans, 30 Directors, Heads for 74 academic Departments, administrators for 83 academic Divisions, and many other managers. Changes are being made throughout public and private sector organizations to make management more efficient, effective, and less costly. The Committee recommends that the President, in consultation with an appropriate committee of Senate, receive independent advice on effective ways of reducing the size and cost of management in all units of the University.
2. Restructuring and/or consolidating both among and within Faculties and Departments into fewer units. Table 1 lists the Faculties along with data for 1992/93 on their General Purpose Operating Budget, academic position complement, weighted FTE students, and number of departments, divisions, schools, centres, and institutes. If Departments and/or Faculties can be consolidated, there should be less administrative overhead in the academic organization as a whole. The Committee recommends that the Senate, in consultation with the President, appoint an ad hoc or standing committee to advise the President on restructuring and/or consolidating both among and within Faculties and Departments into fewer units that are coherent and have less overhead than at present.

Table 1

<u>Faculty</u>	<u>Gen. Purpose Oper. Budget \$ millions</u>	<u>Academic Position Complement</u>	<u>Weighted FTE Students</u>	<u>Number of Dept(Div)</u>	<u>Number of Schools</u>	<u>Number of Centres & Inst.</u>
Arts	38.9	518	15,935	20 (0)	3	0
Science	33.5	306	14,654	11 (0)	0	0
Medicine	29.1	250	7,162	17 (54)	2	0
Applied Sci.	16.9	168	6,848	7 (0)	3	1
Education	16.6	187	7,272	7 (0)	1	3
Commerce	9.2	96	3,242	0 (10)	0	0
Agric. Sci.	5.3	49	1,944	5 (0)	1	0
Dentistry	4.5	35	889	4 (14)	0	0
Grad. Studies	4.4	23	-----	0 (0)	1	17
Law	4.3	42	1,228	0 (0)	0	0
Forestry	4.3	41	1,207	3 (0)	0	0
Pharm. Sci.	2.6	29	1,034	0 (5)	0	0

Second, the Committee has observed that changes in actual student enrolment levels in Faculties have occurred without necessarily changing budget allocations. Over time some Faculties have increased enrolment levels without any apparent increase in their budget allocation. Changes have occurred in other Faculties that have resulted in reductions in their enrolment levels without any particular change in their budget allocations. The Committee understands there are important and legitimate differences in costs in different Faculties, and to some extent our meetings with Deans of

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Reports of Committees of Senate**Budget Committee** (continued)

some of these Faculties have given us better insight into these necessary differences. However, Committee members feel that student enrolment levels should be an important factor in determining budget allocations.

The Committee believes that budget allocations should show a direct relationship with enrolment levels that have been approved by the President's Office after consultation with the appropriate committees of Senate. There will not necessarily be a direct relationship between a Faculty's budget allocation and its actual enrolment level because some Faculties may choose to enrol more students than for which they receive budget allocation.

Third, because a very significant percentage (i.e., 73% in 1991/92) of the General Purpose Operating Budget is administered by the Vice-President Academic, it is obvious that any significant budget reduction must be borne, in part, by the academic Faculties. However, because the University's primary academic mission is teaching and research, the Committee recommends that all budget cuts should strongly reflect this priority.

The Committee recognizes that the President has introduced differentiation in recent budgets both within units that report to each Vice-President and across Vice-Presidential areas of responsibility. The Committee believes, however, that this differentiation has not gone nearly far enough, and it encourages the President to respond with greater differentiation in the 1993/94 budget and future budgets.

In the judgement of a majority of Committee members, some administrative units that report to the President, to the Vice-President for Finance and Administration, and to the Vice-President External Affairs can sustain significantly heavier percentage reductions in funding than the Faculties and other units that report to the Vice-President Academic, the research units that report to the Vice-President Research, and the academic service units that report to the Vice-President Student and Academic Services. The functions performed by units such as Community Relations, the Development Office, and Campus Planning & Development are important, and these units have contributed significantly to generating new revenue to the University during the past few years and in carrying out the University's new building program. However, in a time of restraint the highest priority has to be to protect functions that directly relate to teaching and research.

While none of these recommended strategies for budgetary reductions are as simple or free of consequence as this summary may seem to indicate, the Committee feels that a proactive approach to the resource challenge that we all face is necessary to maintain the academic quality of our teaching and research programs.

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Reports of Committees of Senate**Budget Committee** (continued)**Role of Budget Committee in Considerations of Financial Exigency**

In spite of the best efforts of all concerned, or if we fail to adequately respond to the resource challenge that we face, it is possible that we might be faced with a situation in which the declaration of financial exigency must be considered.

Many members of Senate and the University community more broadly have heard the term "financial exigency", but do not know what it means. Financial exigency occurs when the Board of Governors has declared that the University faces a financial deficit that cannot reasonably be met without

terminating some tenured or tenure-stream employees or not renewing some tenure-stream employees. Should financial exigency be declared, employees could be terminated or not renewed in a short period of time which would be very disruptive both to the individuals directly involved and to the ongoing activities at the University. Of course, such a declaration would also mean the imposition of a hiring freeze for all appointments and no salary increases for all employee groups for several years. Because of all of the serious consequences associated with the declaration of a state of financial exigency, we must all do our best to ensure that it never happens.

The Senate Budget Committee plays a significant role in the determination of financial exigency. The "Agreement on the Termination or Non-renewal of Faculty Appointments for Financial Exigency" stipulates that a Committee on Financial Exigency be struck by the President if he feels that the University faces a financial exigency. This Committee on Financial Exigency must consist of members of the Senate Budget Committee, augmented by two members appointed by the Faculty Association. The Committee on Financial Exigency must within 4 weeks of its first meeting (after being convened by the President) advise the President in writing whether in its judgment the University faces a financial exigency. One of the key questions that this Committee must consider during this very limited time period in reaching its recommendation is **"whether all reasonable reductions are being made in the areas of the University's expenditures other than [Faculty Association] bargaining unit salaries, bearing in mind the primacy of the University's academic purpose."**

By focusing on advanced planning of the type suggested in this report, the Committee believes that the University has the best chance to ensure that the onerous consequences regarding financial exigency never occur.

Summary of Recommendations (1990 to present)

1. The Committee supports the President's revenue enhancement strategies, but has continued to provide the advice that the

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Reports of Committees of Senate**Budget Committee** (continued)

- University should not accept new sources of funding that impose significant additional costs on the operating budget that are not directly funded unless there is a clear understanding of how these additional costs will be met.
2. The Committee supports the President's view that a percentage of operating budget increases as provided from the Provincial Government should be allocated to administrative, library, and other support services to reflect the additional infra-structure costs incurred.
 3. The Committee reaffirms its view that budgetary increases, reallocations, and reductions should reflect priorities across the University's activities and these priorities should be reflected in differentiated reallocations – both among the vice-presidents and among the units reporting to each vice-president rather than across-the-board reallocations.
 4. The Committee recommends that the President ensure funding be allocated in such a manner so as to maintain the strength and quality of the University's academic teaching and research programs.
 5. The Committee requests that the President seek its advice before key decisions are made when they are in the formative stages, and that its advice be sought on future budget strategies and allocations to units rather than on reviews of decisions that have already been made.
 6. To assist the President in preparing budgets for all University budgetary units, the Committee requests that it have access to information about all sources of revenue, including cost recoveries, available to each budgetary unit, not just revenue from Provincial grants and tuition.
 7. Because of constraints on some of the University's significant traditional sources of revenue, the Committee recommends that all parts of the University prepare to live within more limited means than in the recent past. The challenge we all face is how to find positive and creative ways to do more with less. We must simultaneously use this challenge as an opportunity to perform our missions more efficiently with fewer resources and to seek alternative sources of funding for pursuing these missions.
 8. The Committee recommends that the President, in consultation with an appropriate committee of Senate, receive independent advice on effective ways of reducing the size and cost of management in all units of the University.
 9. Regarding academic units, the Committee recommends that the Senate, in consultation with the President, appoint an ad hoc or standing committee to advise the President on restructuring and/or consolidating both among and within Faculties and Departments into fewer units that are coherent and have less overhead than at present.
 10. Because a very significant percentage of the General Purpose Operating Budget is administered by the Vice-President Academic, it is obvious that any significant budget reduction must be borne, in part, by the academic Faculties. However, because the University's primary academic mission is teaching and research, the Committee recommends that all budget cuts should strongly reflect this priority.
 11. The Committee recognizes that the President has introduced

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Reports of Committees of SenateBudget Committee (continued)

differentiation in recent budgets both within units that report to each Vice-President and across Vice-Presidential areas of responsibility. The Committee believes, however, that this differentiation has not gone nearly far enough, and it encourages the President to respond with greater differentiation in the 1993/94 budget and future budgets.

12. The majority of Committee members recommend that, to the extent budget reductions are necessary, they be made on a significantly greater percentage basis in the units that report to the President, Vice-President Finance and Administration, and Vice-President External Affairs than in the units that report to the Vice-President Academic, Vice-President Research, and Vice-President Student and Academic Services.

Appendix A of the report
Final Motion on President's Proposed 1992/93 Operating Budget
by Senate Budget Committee – 15 July 1992

The Committee endorses the President's 1992/93 budget strategy with the following observations:

1. The Committee applauds the President for taking an initial step to differentiate budgetary reductions across vice-presidential areas, consistent with its previous advice to the President.
2. Percentage reductions in the salary and benefits base general purpose operating budget range from a low of 1.5% for the VP Academic to a high of 2.3% for the VP External Affairs. The Committee agrees with the direction of these differentiated reductions. Should additional reductions be necessary, the Committee encourages the President to undertake even further differentiation than reflected in the current year's targeted reductions.
3. The Committee notes that as the World of Opportunity Campaign winds down, the activities of the Development and Alumni Offices are being restructured to reflect a decentralized, though centrally coordinated, model that draws heavily on the involvement of the Faculties. The Committee wishes to emphasize the importance of monitoring the level of recurrent financial contributions to the University to ensure that expenditures in the Development Office are commensurate with these contributions.
4. The President has recommended a significant reduction in the operating budget of the Faculty of Agricultural Sciences and a slightly higher than average reduction in the operating budget of the Faculty of Forestry. The Committee further recommends that these two Faculties work within a five year plan for their operations and that all relevant indicators including enrolment be monitored closely.
5. In light of the analysis presented by the VP Academic, it is clear that the University is underfunded by approximately \$10 million annually in terms of the operations of the Faculty of Medicine. Since there is no short term solution to this problem, the Committee encourages the President to continue to press with the provincial government the need for making up this shortfall. (The motion was adopted unanimously.)

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Reports of Committees of Senate**Budget Committee****Appendix A of the report (continued)**

Final Motion on President's Proposed 1991/92 Operating Budget
by Senate Budget Committee
18 September 1991

"The Committee endorses the President's 1991/92 budget strategy with the following reservations:

1. Reductions should have been differentiated among vice-presidents and a greater degree of differentiation reflected in the reductions proposed within each vice-president's portfolio.
2. Reductions proposed among the Faculties should have been made with greater attention paid to the expenditure dollars per weighted full-time equivalent ratios.
3. Larger reductions should have been applied to 'administration' because it is assuming an ever-increasing proportion of the operating budget."

The motion was adopted by a majority vote.

Final Motion on President's Proposed 1990/91 Operating Budget
by Senate Budget Committee
25 June 1990

"The Senate Budget Committee endorses the President's strategy for addressing the 1990/91 General Purpose Operating funds budgetary requirements" with the following observations:

1. For a variety of reasons the "1990/91 actual budget allocations were not (entirely) consistent with the priorities as identified by the President's Office during the Committee's deliberations over the preceding year."
2. "The two-year allocation time frame (1990/91 and 1991/92) was inconsistent with the one-year budget requests submitted by the Deans."
3. "In the future, budget requests and allocations should reflect the same time horizons."

The motion was adopted unanimously."

Dr. Wehrung } Dr. Dennison }	That the report be received.
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Reports of Committees of Senate**Budget Committee** (continued)

In speaking to the report, Dr. Wehrung drew particular attention to a paragraph under the heading The Resource Challenge Facing the University which points out that the University's traditional sources of revenues are now being constrained, and stated that as a result of these constraints, which members fear will continue into the future, the Committee highly recommends that all parts of the university prepare to live within more limited means than in the recent past. Dr. Wehrung then noted that the section headed Facing the Resource Challenge Without Jeopardizing the Academic Mission of the University offers some proposals for facing the resource challenge and also summarizes recommendations 8 to 12. He explained that recommendations 8 and 9 were mechanisms for trying to realize what the Committee believes may be significant savings by streamlining the management of the administrative, academic and service units and simplifying organizational structures and administrative processes.

Dr. Wehrung stated that the Committee was concerned about the extent to which its advice has any influence on budgetary decisions in that in some instances consultation has taken place after decisions have been made rather than when they are in the formative stages. He cited as an example the recent hiring freeze.

In referring to the section headed Role of Budget Committee in Considerations of Financial Exigency, Dr. Wehrung stated that the Committee wanted to make it very clear that declaring a state of financial exigency would mean that the University was at the stage of laying off tenure stream faculty. It was therefore important to do the type of planning suggested in the report in order to avoid such a situation.

Dr. Resnick raised a question concerning administrative costs. He stressed that if the University is faced with the difficult financial circumstances alluded to in the report, and that Faculties are going to be asked to tighten their belts, it was very important that the leadership in this regard should come from the administration.

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Reports of Committees of SenateBudget Committee (continued)

Dr. Resnick also expressed concern that appointments had been made to chairs in some departments even though there was a hiring freeze. One of particular concern was in the Faculty of Science at a purportedly high figure. He thought that if this practice continued it could lead to a two-track university system where a number of appointments are made at very high salaries out of all proportion to what salaries in the professorial ranks tend to be. He asked that the Budget Committee monitor that as well as costs at the administrative level.

In conclusion, Dr. Resnick referred to the fact that most of the issues on which the Committee's advice had been sought involved the University's General Purpose Operating Budget whereas several budgetary units receive significant portions of their funding from funds other than the General Purpose Operating Budget. He suggested that the Budget Committee pay particular attention to these other sources of funds. He felt that this was perhaps where some of the anomalies or discrepancies in salaries of administrative heads may be occurring.

In response, Dr. Wehrung referred to recommendation 6 of the report which specifically says that to assist the President in preparing budgets for all University budgetary units, the Committee requested that it have access to information about all sources of revenue, including cost recoveries, available to each budgetary unit, not just revenue from Provincial grants and tuition which are the General Purpose Operating Grant. He stated that the information had been forthcoming and that the Committee was trying to make sure that it had the information for the individual units so that in assessing a unit's funding level it would have all the information at once.

The motion to receive the report was put and carried.

Dr. Wehrung indicated that he wished to move recommendation 9 of the report.

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Reports of Committees of Senate**Budget Committee** (continued)

Dr. Wehrung }	That Senate, in consultation with the President, appoint an <u>ad hoc</u> or standing committee to advise the President on restructuring and/or consolidating both among and within Faculties and Departments into fewer units that are coherent and have less overhead than at present.
Dr. Dennison }	

Dr. Will asked if the intent was that there would be recommendations would be made for Deans and Heads to consider, or recommendations to the President's Office to effect changes in organization.

In response, Dr. Wehrung explained that it was intended that the Nominating Committee would nominate a number of individuals to serve on a steering committee that would oversee this process on behalf of Senate. The membership would not necessarily be restricted to members of Senate. In addition, the Nominating Committee would consult with the President's Office on the composition of the committee. It was thought that the President, the Vice President Academic and the Chair of the Budget Committee should develop some terms of reference for this advisory committee which would have a licence to seek out alternative ways in which units might be restructured or consolidated.

In response to a further query by Dr. Will, Dr. Wehrung stated that it was the intention that the committee would bring recommendations to Senate for consideration regarding restructuring or consolidation of academic units.

Responding to a query from Dr. Kelsey concerning the time frame in which the proposed committee would have to operate, Dr. Wehrung stated that the Budget Committee felt that there was some urgency and he hoped the proposed committee would be in a position to present a progress report to Senate in the fall.

The motion to establish a committee was put and carried.

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Reports of Committees of Senate**Budget Committee** (continued)

President Strangway observed that although Senate is the body concerned with the academic health of the university, it was extremely important that it fully support the non academic members of the community. He noted that recommendation 12 singled out particular classes of people and he thought Senate ought to be aware of all the support structures and the incredibly hard working people that make the University function. The President stated that he was privileged to attend the University Staff 25 Year Club Dinner recently and was most impressed at the marvellous set of people that help make the university function, and he felt that it was important that Senate go on record that in implementing the various recommendations of the Committee it was not a matter of the academics versus the others, which was how it was being interpreted.

Referring to Dr. Resnick's earlier remarks, Dean McBride stated that it was not the case that the Faculty of Science was able to afford \$150,000 salaries for new heads of departments.

Curriculum Committee (see Appendix 'B')

Dr. Sobrino, Chair of the Committee, presented the report on proposals from the Faculties of Agricultural Sciences, Applied Science, Arts, Education, Graduate Studies, Medicine and Science.

Faculty of Agricultural Sciences

The Committee recommended approval of proposed restructuring of the Landscape Architecture Program, subject to minor editorial changes.

Faculty of Applied Science

The Committee recommended approval of curriculum proposals from the Faculty of Applied Science. Dr. Sobrino noted that the description for ELEC 474 had been shortened.

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Reports of Committees of SenateCurriculum Committee (continued)Faculty of Arts

The Committee recommended approval of a proposed new program in Canadian Studies, subject to a minor editorial change in the description of CDST 450.

The Committee also recommended approval of curriculum proposals from the Faculty of Arts, subject to editorial changes. Dr. Sobrino noted that satisfactory consultations had taken place concerning Linguistics 316, and that the Department of Linguistics had agreed to remove Physics 341 from the list of recommended courses for Linguistics 317.

Faculty of Education

The Committee recommended approval of curriculum proposals from the Faculty of Education with the exception of a proposal concerning the Written English Requirements which has been referred to the Senate Admissions Committee.

Faculty of Graduate Studies

The Committee recommended approval of a Master of Science Program in Genetic Counselling, subject to review within 3–5 years.

The Committee recommended approval of curriculum proposals from the Faculty of Graduate Studies with the exception of proposed changes to ELEC 576 which have been withdrawn.

The Committee recommended approval of curriculum proposals from the School of Community and Regional Planning, subject to a change in description for Planning 603. The Committee had suggested that the title of Planning 586 be

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Reports of Committees of SenateCurriculum CommitteeFaculty of Graduate Studies (continued)

changed from "Gender and Planning" to "Women and Planning" but after consultation with the School it was agreed that the description be changed to suit the title, rather than changing the title to suit the description. The Committee had also requested and received confirmation concerning the availability of library resources.

Faculty of Medicine

The Committee recommended approval of course changes and a revised calendar statement concerning the B.M.L.Sc. English Requirement.

Faculty of Science

The Committee recommended approval of curriculum proposals from the Faculty of Science, and a proposal for a B.Sc. program in Freshwater Science, to be offered at Okanagan University College, subject to review within 3–5 years.

Dr. Sobrino	}	That the proposals of the Faculties of Agricultural Sciences, Applied Science, Arts, Education, Graduate Studies, Medicine and Science be approved.
Father Hanrahan		

The President drew attention to the rationale for Planning 560 which notes that the program is fully funded by an endowment from the Real Estate Foundation. The President stated that this was incorrect since half of the program is funded by the provincial government.

The motion was put and carried.

Dr. Sobrino expressed thanks and appreciation to members of the Senate Curriculum Committee, which he had chaired for the past three years, and drew

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Reports of Committees of SenateCurriculum Committee (continued)

attention to the valuable contributions of both Senate members and Faculty Curriculum Committee chairs, who are also members of the Committee. Dr. Sobrino also paid a special tribute to the Assistant Secretary of Senate, Fran Medley.

Dr. Sobrino took the opportunity to explain to Senate that the Committee's terms of reference are limited and that it can only look at the proposals of the Faculties, evaluate them and bring them forward to Senate for approval, sometimes with recommended changes. Dr. Sobrino suggested that a number of the new programs approved in the past three years had probably been developed because funding was available rather than because they were an appropriate mix of programs for the University to be offering. Since the Committee had neither the mandate nor the resources to study this matter he wanted to bring to the attention of Senate the problems that arise because of the piecemeal fashion in which the Curriculum Committee has to operate.

Dr. Sobrino also expressed concern that many courses were being split into two one-term courses and that the University therefore appeared to be in the process of adopting a semester system without its merits ever having been discussed in Senate.

Dr. Resnick proposed a vote of thanks to the retiring chair of the Committee, Dr. Sobrino, and commented on the enormous amount of work and responsibility involved in chairing the Senate Curriculum Committee.

Library Committee

Dr. Grace, Chair of the Committee, spoke briefly to the following year end report which had been circulated for information:

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Reports of Committees of Senate

Library Committee (continued)

"During the 1992-93 academic year, the Committee, has spent the great majority of its time wrestling with the proposed cancellation of serials arising from a short-fall in the Library's Collections budget. A detailed short-term and long-term proposal for handling cuts was passed at the 9 March 1993 meeting of the Committee and presented to Senate at its 17 March 1993 meeting. That report is not repeated here, but the main points can be summarized as follows:

1. An anticipated short-fall in the serials portion of the collections budget will be offset by various measures, including the use of the Library Stabilization Fund. Any cancellations of serials will be made in accordance with the guidelines set forth in point 4 of the 17 March 1993 Report.
2. Approval was given to the implementation of a three point budget-planning process set forth in point 2 of the Report.
3. The Committee will re-examine the situation of the Library Collections budget at least once a year; it will carefully monitor all developments and prepare new proposals for managing the Collection as they are needed.

In addition to its report on serials cancellations, the Committee discussed the problems faced by library circulation, and at its 6 April 1993 meeting the Committee passed a new loan policy as part of changes to the circulation system which are expected to be in place by the end of 1993. The key item in this system is the introduction of **automatic fines** on all overdue materials. The Library has begun to advertise the new circulation system and is alerting all library users to the new loans policy.

In the course of its deliberations this year, the Committee has considered a number of important issues relating to Collections Policy, general funding for the library, consultation procedures for establishing cancellation of serials, when these are necessary, an increasing trend towards "user fees" for library services, and negotiations with the Faculty of Commerce and Business Administration to move materials into the David Lam Library. Because of the urgent need to devote primary attention to the serials "crisis" many of these other issues remain to be discussed in depth by next year's committee. One of the first tasks facing next year's committee is the formation of a sub-committee to investigate the parameters of the long-range problem of escalating costs in scholarly publishing and to consider ways in which the University and the Library can work to minimize the impact of these rising costs while still maintaining a strong monographs and serials collection, which is the raison d'être of a library.

The Senate Library Committee will continue to monitor closely any cancellations of serials, the introduction of "user fees" and the overall funding of the Library, which, for the past three years, this Committee has sought to increase, either by returning the Library's proportion of the University's operating budget from its current low of 2.1% to its 2.3% level in 1987-88, or by implementing the three point formula outlined in our Report of March 17.

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Reports of Committees of SenateLibrary Committee (continued)

Although this year has been an extremely arduous one, the Senate Library Committee has learned a great deal about the complexities of the Library and, it is important to note, the responsibilities of the Committee (as laid out in the University Act) to the Library, to the Senate and to the academic community at UBC.

I would like to take this opportunity to thank all those who helped the Committee in its deliberations and to acknowledge the work of the entire Committee which has given dedicated service again this year."

Dr. Grace }	That the report be received.
Ms. Woo }	

Referring to Dr. Shearer's question about the transfer of books to the Lam Library, Dr. Grace explained that the Senate Library Committee had considered a proposal to move a significant collection from the Main Library into the David Lam Library and to establish it as a "branch library". The Committee discussed the matter at some length and decided that it could not endorse the proposal. In this connection, the Committee, at a recent meeting, unanimously passed the following motion:

1. The Committee affirms the current Senate policy passed in 1982 on branch libraries and reading rooms;
2. The present proposal for the Lam Library does not conform to this policy;
3. The Senate Library Committee is prepared to consider a revised document that is consistent with Senate policy, and would hold a special meeting to do so as required.

Dr. Grace thanked members of the Senate Library Committee for the considerable amount of time and effort that they had contributed during a difficult year.

The motion to receive the report was put and carried.

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Reports of Committees of SenateLibrary Committee (continued)

Dean Goldberg noted that it was not the intention when the Lam Library was built that it would be a branch library. He stated that discussions were taking place between the Faculty of Commerce and Business Administration, the Vice President Academic and the Senate Library Committee and depending on the outcome of those discussions, books may or may not be moved from the Main Library.

Dr. Grace stated that one of the concerns the Committee had with the proposal was the question of access, and it was hoped that if a revised document is to be brought back to the Committee the issue of access will be satisfactorily addressed.

The University Librarian, Dr. Patrick, expressed thanks and appreciation to members of the Senate Library Committee and to the Chair of the Committee, Dr. Grace, for her time and advice.

Nominating Committee

Dr. Will, Chair of the Committee, presented the report. The Nominating Committee nominated the following student to fill vacancies on Senate committees:

Agenda

Mr. H. Leung – replacing Mr. D. A. Dymont

Curriculum

Mr. H. Leung – replacing Ms. C. J. Forsythe

Dr. Will	}	That the recommendations of the Nominating Committee be approved.
Dean Meisen		

Carried

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Reports of Committees of Senate (continued)Student AwardsNew awards (see Appendix 'A')

Dr. Cook, Chair of the Committee, presented the report. Dr. Cook drew Senate's attention to the Malcolm F. McGregor Memorial Scholarship, the H. Peter Oberlander Medal and Prize, and the Wendy Fan Memorial Scholarship.

Dr. Cook	}	That the awards (listed in Appendix 'A') be accepted and forwarded to the Board of Governors for approval and that letters of thanks be sent to the donors.
Dr. McLean		

CarriedYear end report

Dr. Cook presented the following report which had been circulated for information:

"This report has two parts: 1) a summary of the awards presented to Senate during the term of the committee from September 1990 to April 1993; and 2) a summary of issues addressed by the committee.

1. SUMMARY OF AWARDS

The committee met 18 times between September 1990 and April 1993 and recommended acceptance of 185 awards with a total annual value of approximately \$294,000.

Of the total number of awards, the distribution by category of award is:

Award Type	#	Total value	Range of values
Fellowship	12	\$160,500	\$9000 – 13,500
Scholarship	69	\$ 76,900	\$1500 – 9,000
Bursary	52	\$ 35,250	\$ 900 – 1,500
Award	5	\$ 6,000	\$ 100 – 1,200
Prize	47	\$ 15,150	\$ 100 – 1,000

Of the total, 10 awards representing about \$100,000 annually, arose from campaign endowments. (This represents about 20% of the total number of campaign endowments for awards). Additional donor pledges for some of these awards as well as matching funds from the province are still outstanding. It is expected that the total annual value of those awards presented to date could approximately double when pledges and matching funds have been received.

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Reports of Committees of Senate**Student Awards****Year end report** (continued)**2. SUMMARY OF ISSUES****A. Conditions for Acceptance of Awards****POLICY** (Approved by Senate May 23, 1990)

It is policy of The University of British Columbia to attract, at both graduate and undergraduate levels, the best academically qualified students, whatever their origin. With that objective in mind, it is the primary policy of the University to encourage donations, whether to individual Faculties or to the University's general scholarship and bursary funds, that can be used to reward excellence or to support needy students without restrictions based on non-academic considerations. Such donations maximize fairness, flexibility and efficiency in the administration of available funds.

The University is committed to working for true equality of opportunity for all academically qualified students by enabling them to overcome non-academic barriers whatever the source. With that goal in mind, it recognizes that, in order to ensure equitable access to the educational system at all levels, the University is prepared to take affirmative action by providing financial support for particular groups such as women, native students, the disabled and other visible minorities, as well as students from outside the Lower Mainland. In order to maximize progress towards true equality of opportunity, the University is prepared to accept and administer donations designed to accomplish such objectives either by encouraging members of such groups at large to take advantage of a university education or by increasing their level of participation in particular programs.

The Committee, in its attempt to apply Senate policy to both new and existing awards, identified several issues. Most important among these were: Non-conforming awards, Affiliation awards and the areas of jurisdiction (including role and responsibility) of the Awards Office and the Development Office in the development and processing of new awards.

1. **Non-conforming awards** are existing awards the terms of which contravene Senate Policy. The committee addressed two options: 1) to grandfather existing awards; and 2) to investigate the feasibility of amending the award terms. The latter option was chosen.

Awards were randomly selected for preliminary review. These included awards with restrictive provisions related to gender, religious affiliation, country of origin, geographic region, and school district in which a recipient was previously enrolled. The intent of the review was to assess, in a preliminary manner, whether it is feasible to amend award terms for these non-conforming awards. It was determined that the University could not unilaterally change the terms of the award. Rather, donors or donor representatives had to be contacted and had to agree to vary the terms of their agreements with the University.

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Reports of Committees of Senate**Student Awards****Year end report** (continued)

Of the 10 awards, examination of the files resulted in the elimination of 5 awards from further review because the donor or donor contact : 1) was deceased or had re-located without providing forwarding address; or 2) had disputed legally an aspect of the university – donor relationship which made re-opening discussion concerning the award description imprudent, if not impossible. The Development Office contacted the 5 remaining donors. Only one of the five donors agreed to amend the terms of the award. The cost of seeking to amend the terms of non-conforming awards is not trivial and can be assessed in terms of the staff time and the material cost to the Awards and the Development Offices.

There are about 200 non-conforming awards currently listed in the Awards and Financial Aid Supplement to the Calendar. The Committee has recommended that the study be enlarged to include all 200 awards and that this be done in conjunction with the regular annual mailing to donors.

2. **Affiliation awards** describes a category in which all awards within the category require a recipient to provide evidence of affiliation with a specified group. For example, a recipient's parent or grandparent is a member of the armed forces or is an employee of a specified company; the recipient is a member of a specified religious denomination; the recipient is of specified racial or ethnic origin. There are about 160 of these awards. They must be administered using a separate application process to permit students to specify their affiliation and, in many cases, to provide supporting documentation. Affiliation awards are costly to administer and, in some cases, also contravene the Senate policy.

The Committee agreed to accept new awards in this category only if the terms are consistent with the Senate policy. The committee recommend that : 1) Development Office staff strongly discourage donors who wish to create affiliation awards; and 2) subsequent Committees on Awards critically scrutinize any affiliation awards presented. The Committee also supported the concept of analyzing the cost to administer these awards from the perspective of charging donors for the additional expense incurred to administer awards within this category.

3. **Award development** during the term of the Committee, administrative responsibility to contact donors, to develop awards, to solicit funds, to confirm funding for existing awards, and substantively to change award terms transferred from the Awards and Financial Aid Office to the Development Office. Now, the Development Office, in consultation with the appropriate Faculty or Department, solicits and negotiates new awards consistent with Senate Policy; prepares award descriptions and forwards them to the Awards Office. The Director of Awards confirms that the awards are consistent with Senate Policy, with wording conventions and that they can be administered before presenting them to the Committee.

While the Committee is aware that both offices are working to ensure that the division of responsibility is clearly understood in both departments, it is concerned that after two years some elements of the transfer remain problematic. In several instances proposed awards and their descriptions, after many months of development, have remained inconsistent with Senate policy, with wording conventions, and/or with Faculty or Department programs of study.

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Reports of Committees of Senate**Student Awards****Year end report** (continued)

The Committee believes the liaison and cooperation between the two offices would be enhanced by the involvement of the Director of Awards to assist the Development Office to plan and to deliver workshops on awards for appropriate staff members.

B. University Scholarship Program: 150% Rule

This Rule was implemented on a trial basis with the approval of Senate in 1979. Its intent was equitably to distribute across Faculties the general purpose operating funds designated to support the University Scholarship Program. After a two year trial period, the Senate committee on Student Awards recommended that use of the Rule be discontinued. In January of 1984, the Senate again reviewed use of the Rule. A motion not to re-introduce its use was put and lost. The Rule has been in uninterrupted use since 1984.

The implementation of the Rule is complex, labour intensive, difficult to model for budgetary purposes and may not be achieving its intended purpose. In addition, its implementation is integral to the assignment of faculty recommended awards and may unnecessarily delay assignment of University Scholarship Program funds.

It was agreed that the Director should conduct a review of this issue and propose changes for presentation to the incoming Committee.

C. Canada Student Loan Program: 3% Fee

On behalf of the Director and the staff of the Awards Office, the Committee expresses its thanks to the the Senate for unanimously endorsing the motion to communicate to the Secretary of State its strong disagreement with this hastily imposed and economically regressive fee.

D. Entrance Scholarship Program

The Committee was concerned with the disproportionate number of entrance scholarships awarded to students entering Science and Applied Science when compared to those entering Arts. The awarding of the Presidents Outstanding Student Initiative, the Canada Scholarships, the Norman MacKenzie Alumni Scholarships, the UBC President's, Chancellor's and National Scholarships and several other 'named' scholarships of high monetary value were considered. Further study is indicated before the incoming Committee could make recommendations to Senate."

In speaking briefly to the report, Dr. Cook stated that one of the issues still to be resolved is that of non-conforming awards. These are awards that have been listed in the Calendar for a number of years and do not meet the current Senate requirements. Dr. Cook stated that although the Committee had wrestled with this issue for some considerable time it was not yet close to resolution.

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Reports of Committees of SenateStudent AwardsYear end report (continued)

Two other areas of concern outlined in the report which the Committee feels ought to be re-examined are the 150% rule in the University Scholarship Program, and the disproportionate number of entrance scholarships awarded to students entering the Faculty of Science and the Faculty of Applied Science compared to those entering the Faculty of Arts.

Dr. Cook paid tribute to members of the Committee for their untiring efforts during a rather difficult period.

Dr. Cook	}	That the report be received.
Dr. McBride		

Carried**Faculty of Arts**Credit for Advanced Placement and International Baccalaureate courses – change in Calendar statement

It was stated in the material circulated that the Faculty of Arts had established an *ad hoc* Committee on Advanced Credit and Standing to consider the possibility of changing Faculty policy that grants advanced placement for courses in the Advanced Placement and International Baccalaureate programs to one that also grants credit in some cases. There was, however, no general agreement about extending the policy on a Faculty-wide basis. Therefore the proposal to allow individual departments and schools to decide on the appropriateness of advanced credit was accepted by Faculty as satisfactory policy. Proposals on the maximum allowable transfer credits for advanced standing and credit will be sent by departments to the Faculty of Arts Curriculum Committee for approval.

Dean Marchak	}
Dean Goldberg	

That the proposed Calendar deletions be approved.

Carried

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Faculty of DentistryResidency requirements for the B.D.Sc. program

The following proposed residency requirements for the B.D.Sc. program had been circulated:

"With the permission of the Faculty, a maximum of 30 credits of acceptable course work completed at other institutions may be transferred for credit toward the B.D.Sc. degree."

Dean Boyd }	That the proposed residency requirements for the B.D.Sc. program be approved.
Dr. Price }	

Dr. Will drew Senate's attention to a statement in the Calendar under attendance which states that: "Except where specifically stated otherwise in the regulations of a particular faculty or school a student may not receive a degree without completing the equivalent of two winter sessions in attendance at the University, one of which should be the final year." He stated that the statement had been written with a four year degree in mind and that a certain interpretation had to be made for those degree programs that are less than four years but the intent was that at least 50% of the credits for the degree should be taken at UBC not through transfer of credit. It also suggests that a student should be at this University in its final year, the point being that if they are going to get a UBC degree it should have quite a bit of UBC content. Dr. Will explained that approval of the proposal would allow the possibility of students getting a UBC degree after having taken only one year at UBC.

In response, Dean Boyd stated that two years ago Senate took a leadership role in approving this particular program. She explained that it was the only program in existence in English speaking Canada and that it was in great demand. At the time of its structure it presented a core which can only be taken at UBC as there is no other Faculty of Dentistry in the province. This new direction, however, allows access to a particular group of people, 99.9% of whom are women in the mature student category.

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Faculty of DentistryResidency requirements for the B.D.Sc. program (continued)

Dean Boyd stated that in her opinion, the University should be flexible where appropriate. Dean Boyd stated that the proposal would not endanger UBC standards and that it was responsive to the needs of the community.

The motion was put and carried.

Faculty of Graduate StudiesProposals for the establishment of Chairs

Proposals for the establishment of various Chairs had been circulated.

Dean Grace	}	That Senate recommend to the Board of Governors the establishment of two Chairs in each of the following: Chinese Research, Japanese Research, Korean Research, South Asian Research, and South East Asian Research.
Dean Goldberg		

In response to a query, the President stated that each of the Chairs was intended to be a \$1 million endowment which is a standard used in the campaign. There was also a commitment to the matching funds. In most cases the private sector funds had already been raised and the University was still working on the others.

With regard to library resources, Dean Grace stated that provision had been made for library resources where required. He stated that clearly the Asian Library is more in need of resources in some of the five areas than in others, and he expected that in those areas where there was a shortage of materials it would be a very high priority of the centres to supplement library materials.

After further discussion the motion was put and carried.

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Faculty of MedicineProposal to establish the UBC/St. Paul's Hospital Foundation Chair in AIDS Research

Dr. Slonecker } That the proposal to establish the UBC/St. Paul's
Dean McBride } Hospital Foundation Chair in AIDS Research be
approved.

Carried**Other business**Russian Major

Dr. Sobrino informed Senate that he had received a letter signed by 25 students asking why admission to the Russian Major had been suspended for the fourth consecutive year and if this had been done with the approval of Senate.

Dr. Sobrino said that he had responded to the letter stating that the suspension of admission to the program had not come before either the Senate Curriculum Committee or the Senate. He also explained that while discontinuance of a program requires Senate approval under the *University Act*, it was not clear that suspension of admission to a program had to be approved by Senate. Dr. Sobrino stated that he had discussed the situation with the Dean of Arts and asked Dr. Marchak to comment on this matter.

Dean Marchak explained that in 1988–89 there were 51 full-time equivalent enrolments in the undergraduate program and four graduate enrollees. In 1988–89 three undergraduate degrees were conferred. A total of 13 degrees, both undergraduate and graduate, were conferred between 1986 and 1989. In the summer of 1990 the Dean's office was able to identify only five students registered as majors in Russian or Slavonic Studies, of whom three were in the International Relations program.

Dean Marchak went on to explain the findings of a review committee established in 1989, which, among other things, recommended a series of reforms to the curriculum, the suspension of the graduate program, and the deletion of the Slavonic Area Studies Major and courses from the Calendar.

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Other business**Russian Major** (continued)

In view of the history of the department, the findings of the review committee, subsequent reports, enrolments, and the failure of the curriculum reform process, Dean Marchak imposed a suspension on admissions to the Majors program in the summer of 1990. Students already in the program were contacted and were either satisfactorily transferred to other programs or provided with the means to complete their degrees in Russian.

On the advice of an advisory committee, and with the help of a world-recognized expert, the Faculty sought to recruit a coordinator of Russian language training. The only suitable candidate for the position declined to accept. In order to maintain the Russian language courses while the search continued, a non-tenure stream lecturer was appointed for the following two years. However, the Faculty did not feel that was adequate instruction in Russian to regenerate a Majors program.

The current situation, therefore, is that the department has entered the third year without a head or a coordinator of the Russian language program. In addition, one of the remaining six faculty members retired and this person was the main instructor for Russian language courses. A second person, who was a linguist, took early retirement, thus leaving the department with only four members, of which only one had regularly taught introductory and intermediate Russian language. The others are specialists in literature or other languages.

During the past two years the Faculty has advertised for two instructors but the search had now been cancelled because the Faculty lacks the financial resources to employ even one lecturer in the next winter session.

In conclusion, Dean Marchak stated that the Faculty had not recommended the

May 19, 1993

Other businessRussian Major (continued)

cancellation of the Russian Major because it hoped that in the future the resources could be found to renew the program. However, before reintroducing a major's program in Russian, the Faculty would invite an external appraiser to advise on the adequacy of the Russian instruction for majors students. The Faculty will continue to monitor the situation, and if neither the resources nor other conditions improve the Faculty will have to consider returning to Senate with a recommendation to cancel the Russian major.

Landscape Architecture Program

Mr. Olynyk, student senator, noted that the Faculty of Agricultural Sciences had reduced the number of credits in the Landscape Architecture Program and, on behalf of the students, expressed appreciation for this decision.

Mr. Olynyk also took the opportunity to thank members of Senate for the time and effort they expend on behalf of students at UBC.

Financial constraints

In response to comments by Mr. Woo, President Strangway observed that there was a perception that in Canada a lot of money is spent on education and that we can do better with the money we get. In fact, Canada is thirteenth of the OECD countries in terms of the percentage of its gross national product per capita that it spends on a per student basis. As far as British Columbia versus the rest of Canada is concerned the figures are even worse. However, he felt that the University had done an immense amount to address the question of possible financial constraints and was doing everything it could to preserve a proper balance and also to preserve the integrity of the programs offered.

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Other business (continued)*Ad hoc Committee on Environment for Teaching*

Dr. Hamilton, Chair the Committee, informed Senate that during its deliberations the Committee had discovered that there are a number of other committees on campus initiating investigations of their own. The Committee was therefore in the process of coordinating information and expected to be in a position to present a report at the September meeting of Senate.

Senate Committees

The President reminded members that they are expected to continue to serve on Senate Committees until recommendations for the 1993–96 membership have been presented and approved at the September 15, 1993 meeting.

The meeting adjourned at 10.00 p.m. The next regular meeting of Senate will be held on Wednesday, September 15, 1993.

Secretary

Confirmed

Chair

May 19, 1993

APPENDIX 'A'

Awards recommended to Senate

Gordon CASTLEY Scholarship—A \$1,200 scholarship has been endowed by Mr. Gordon Castley. The award is offered to an graduate student in the Department of Counselling Psychology, in the Faculty of Education and is made on the recommendation of the Department in consultation with the Faculty of Graduate Studies. (Available 1993/94 Winter Session.)

Robert J. CRAIG Memorial Scholarship—A scholarship of \$1,000 has been endowed by friends and colleagues to honour Robert J. Craig, to recognize his contributions as a distinguished forester and energetic leader of the Canadian Institute of Forestry as well as University of B.C. Forestry Alumni Division. The award is made on the recommendation of the Faculty of Forestry to a student entering fourth-year, who in addition, displays unusual initiative, leadership, and perseverance. (Available 1993/94 Winter Session.)

Dr. Verne D. FLATHER Memorial Bursary—A \$300 bursary has been endowed by friends and family in memory of Dr. Verne D. Flather. The bursary is offered to students in the Faculty of Medicine. (Available 1993/94 Winter Session.)

HOFFMANN-LA ROCHE Scholarship in Pharmacy—A \$750 scholarship is offered through the generosity of Hoffmann-La Roche Limited. The award is made on recommendation of the Faculty of Pharmaceutical Sciences to a student completing first year in the Faculty, who has demonstrated outstanding achievement in the professional practice courses. (Available 1993/94 Winter Session.)

Bruce H. MCCOLL Memorial Prize—A prize of \$500 has been endowed by his friends and colleagues of the Supreme Court and the Court of Appeal of British Columbia to honour the Honourable Mr. Justice Bruce H. McColl. The prize is given to an undergraduate achieving excellence in Human Rights Law courses. In the event a course in this area is not offered, it will be given to a student completing a course in Labour Law or Administrative Law. The award is made on the recommendation of the Faculty of Law. (Available 1993/94 Winter Session.)

Malcolm F. MCGREGOR Memorial Scholarship—A \$900 scholarship has been endowed by friends and colleagues in memory of Malcolm F. McGregor, head of the Department of Classics between 1954 and 1975. The award is offered to a graduate student in Classics and is made on the recommendation of the Department in consultation with the Faculty of Graduate Studies. (Available 1993/94 Winter Session.)

H. Peter OBERLANDER Medal and Prize—A \$1,200 prize accompanied by a medal has been endowed in honour of H. Peter Oberlander, the founding Director of the School of Community and Regional Planning and subsequently the founding Director of the Centre for Human Settlements. The prize is awarded for academic excellence in a Master's programme in Land Policy, Environmental Conservation, or Urban or Regional Planning and is made on the recommendation of the Faculty of Graduate Studies. (Available 1992/93 Winter Session.)

Sandra SHIPLEY Memorial Bursary in Music—A \$400 bursary has been endowed by family and friends of Sandra Shipley, B.A. '64, a Vancouver teacher, musician and long-time member of the Vancouver Bach Choir. The award is offered to an undergraduate student in the School of Music who is majoring in General Studies. Preference will be given to a student who is taking the Elementary or Secondary Education Stream to prepare for a career in music education. (Available 1993/94 Winter Session.)

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APPENDIX 'A'

Awards recommended to Senate (continued)

Joseph TONZETICH Fellowship—A fellowship of \$15,000 is offered to honour Dr. Joseph Tonzetich of the Faculty of Dentistry for his contributions to dental research. The award is made to a student in the Oral Biology Ph.D. program who shows superior research ability in the field of Oral Biochemistry or Cell Biology. The award is made on the recommendation of the Department of Oral Biology in consultation with the Faculty of Graduate Studies and may be shared by two students if appropriate. (Available 1993/94 Winter Session.)

Emily Christina WONG Memorial Bursary—A \$300 bursary has been endowed by family and friends to honour Emily Christina Wong. The award is offered to a student majoring in Women's Studies in the Faculty of Arts. (Available 1993/94 Winter Session.)

Wendy FAN Memorial Scholarship—A \$1,200 scholarship has been endowed by Stephen Fan in memory of his wife Wendy Fan. The award is offered to a student who is entering graduate study in either Science, Applied Science, Medicine or Commerce and Business Administration and who has received his or her undergraduate degree at an institution outside of North America. The award is made on the recommendation of the Faculty of Graduate Studies. (Available 1993/94 Winter Session.)

Stuart OLSON Construction Inc. Scholarship—A \$300 scholarship has been endowed by Stuart Olson Construction Inc. for an undergraduate student in Management Information Systems. The award is made on the recommendation of the Faculty of Commerce and Business Administration. (Available 1993/94 Winter Session.)

Eli and Milica SYEKLOCHA Memorial Scholarship in Slavonic Studies—A \$300 scholarship has been endowed by their daughter Delfa Syeklocha to honour Eli and Milica Syeklocha. The award is offered to a student in the Department of Russian and Slavic Languages and Literatures on the recommendation of the department. (Available 1993/94 Winter Session.)

MERCK Frosst Pharmacy Doctoral Prize—A prize in the amount of \$1,000 is awarded to the student standing at the head of the graduating class in the Doctor of Pharmacy program, Faculty of Pharmaceutical Science. (Available 1992/93 Winter Session.)

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APPENDIX 'B'**Course and curriculum proposals****FACULTY OF AGRICULTURAL SCIENCES****Restructuring of the Landscape Architecture Program**

1. To re-focus the design core in response to changes in the discipline and changes in the faculty.
2. To help students take better advantage of offerings outside the program.
3. To recognize the diversity of disciplinary foci common to the discipline (from garden design to landscape management) by providing greater choice in our electives program.
4. To restructure the sequence of courses so that students with different educational credentials can be more easily accommodated.
5. To reduce the number of credits required for graduation while still increasing elective flexibility.

Calendar statement – revised

New courses	LARC 205 (6)	<u>Introduction to Landscape Design I</u>
	LARC 206 (6)	<u>Introduction to Landscape Design II</u>
	LARC 221 (3)	<u>Landscape Architecture, Nature and Society</u>
	LARC 254 (1)	<u>Professional Practice I</u>
	LARC 305 (6)	<u>Intermediate Design I</u>
	LARC 306 (6)	<u>Intermediate Design II</u>
	LARC 405 (6)	<u>Advanced Landscape Design</u>
	LARC 454 (3)	<u>Professional Practice II</u>
Changes	LARC 199*	– change in credits, description
	LARC 251	– change in number (formerly 150)
	LARC 351	– change in number (formerly 250)
	LARC 451	– change in number (formerly 350)
Deletion	LARC 101, 102, 103, 201, 202, 301, 302, 410, 450	

FACULTY OF APPLIED SCIENCE**Electrical Engineering**

<u> </u> New course	ELEC 482 (3) <u>Optical Waveguides and Photonics</u>
Changes	ELEC 464 – change title and prerequisite
	ELEC 474 – change title, description, prerequisite, hours
	ELEC 475 – change title, description and prerequisite
	ELEC 478 – change description and prerequisite

Program changes to Fourth Year regular program and Computer Engineering Option

May 19, 1993

APPENDIX 'B'

Course and curriculum proposals (continued)**FACULTY OF ARTS****Canadian Studies**

The program permits students to focus on Canada from a variety of disciplinary perspectives. Enrolment in the program is by application and is limited to 25 in each of the third and fourth years.

Prerequisites:

1. French 120. Students intending to meet more than the minimum program requirement in French are advised to take French 202.
2. Either Economics 100 or Political Science 200.
3. 6 credits of: ANTH 201, 220, 221; ECON 100 (if not taken under 2) SOCI 100 or 210 (students planning to take SOCI 310 or 410 must take SOCI 100).

Individual courses at the 300 and 400 level may have prerequisites. In planning their program students must take this into account.

New course CDST 450 (3) Senior Seminar in Canadian Studies

Arts**Change in Language Requirement**

Under **Language Requirement** change all instances of "... French or a foreign language ..." to read: "... a language other than English ..."

Arts Studies**Change Calendar entry**

New ASTU 400 (3-6)d Interdisciplinary Studies in Arts
 ASTU 401 (3-6)d Distinguished Visitors

Asian Studies

New ASIA 357 (6) The Hindu Religious Tradition – cross-list with RELG 354

Change RELG 354 – add "Same as ASIA 357"

English

Change ENGL 392 – change in description

Geography

New GEOG 102* (3) Introduction to Climate and Biogeography
 GEOG 103* (3) Introduction to Terrestrial Physical Geography

Changes to List A

May 19, 1993

APPENDIX 'B'**Course and curriculum proposals****FACULTY OF ARTS****Geography (continued)****Change in program descriptions:**

Major – First and Second Years; Notes; Undergraduate courses; Note
 Major in Physical Geography
 Honours – Climatology
 Honours – Geomorphology

Changes ATSC 200*, GEOG 200*, 205*, 207*, 306*, 310*, 315, 317, 330*, 370,
 372 – change in prerequisites
 GEOG 410 – change in title, description
 GEOG 423 – change in prerequisite, hours

History**Change 6-credit courses into two 3-credit courses:**

HIST 327 becomes 327, 328
 HIST 328 becomes 330, 331
 HIST 352 becomes 351, 352
 HIST 353 becomes 353, 354
 HIST 436 becomes 445, 446

Linguistics**Change 6-credit course into two 3-credit courses:**

LING 316 becomes LING 316, 317

Change program statement:

Major in Speech Sciences – Second, Third and Fourth Years; Note
 Honours in Speech Sciences – Third and Fourth Years; Note
 Diploma in Applied Linguistics Requirements

Philosophy**Change in number, and/or title, credits, description, prerequisites, hours**

120 (formerly 102); 125 (formerly 103); 240 (formerly 250); 220 (formerly 302);
 320 (formerly 303); 324 (formerly 305); 322 (formerly 306); 339 (formerly 311);
 337 (formerly 313); 349 (formerly 317); 371 (formerly 323); 390 (formerly 330);
 310 (formerly 333); 311 (formerly 343); 340 (formerly 350); 314 (formerly 353);
 372 (formerly 355); 315 (formerly 363); 312 (formerly 373); 313 (formerly 383);
 431 (formerly 400); 429 (formerly 402); 427 (formerly 405); 433 (formerly 407);
 419 (formerly 408); 400 (formerly 410); 401 (formerly 411); 460 (formerly 414);
 435 (formerly 417); 375 (formerly 418); 451 (formerly 420); 338 (formerly 421);
 461 (formerly 424); 490 (formerly 430); 469 (formerly 434); 434 (formerly 437);
 462 (formerly 440); 425 (formerly 450); 426 (formerly 451); 414 (formerly 453);
 440 (formerly 460); 441 (formerly 470); 452 (formerly 480); 418 (formerly 483).
 450 (formerly 490); 485 (formerly 498).

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APPENDIX 'B'

Course and curriculum proposals**FACULTY OF ARTS****Philosophy** (continued)

Change PHIL 210 – change in description

New PHIL 230 (3) Moral and Political Philosophy I
 PHIL 330 (3) Moral and Political Philosophy II
 PHIL 321 (3) Induction and Decision
 PHIL 323 (3) Non-Classical Logics
 PHIL 410 (3) Topics in Ancient Philosophy
 PHIL 412 (3) Topics in Medieval Philosophy
 PHIL 416 (3) Topics in Modern Philosophy
 PHIL 428 (3) Philosophical Issues in the Foundations of Mathematics
 PHIL 432 (3) Ethical Theory

Deletions PHIL 201, 214, 301, 314, 374, 393, 394, 401, 403, 418, 419, 422, 426, 427, 473

Change program description and requirements – Major and Honours

Changes to Lists A and B

Sociology (Anthropology and Sociology)

Change SOCI 361 – change in credits

Deletion SOCI 412

New SOCI 420 (3/6)d Sociology of the Environment**Women's Studies**New WMST 450 (3/6)d Directed Studies**Music**

Change in program requirements – Courses in Other Faculties or Degree Programs

Change to List A

Change in Major requirements – Major in General Studies: Secondary Education Stream, Fourth Year

Change in Major in Opera, Fourth Year

FACULTY OF EDUCATION**Language Education**

New ENED 206 (4–6)d Language Field Experience
 ENED 226 (4) Introduction to Language across the Curriculum
 ENED 346 (3) Teaching with Illustrated Materials

Deletion MLED 408

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APPENDIX 'B'**Course and curriculum proposals****FACULTY OF EDUCATION (continued)****Social and Educational Studies**

Deletion EDST 200, 430

Visual and Performing Arts in Education

Changes MUED 335, 336 – change credits and hours
 MUED 412 – change title, description and prerequisite

FACULTY OF GRADUATE STUDIES**Master of Science in Genetic Counselling****Calendar statement**

The Department of Medical Genetics offers a two-year program of advanced study leading to the M.Sc. degree in Genetic Counselling. This is a master's degree program without thesis. The program provides a strong academic component focusing on the fundamental and applied principles of human genetics and in depth clinical experience necessary for the genetic counsellor. Required courses include MEDG 530, 550, 560 565, 570, 575, 548 and CNPS 362. Students must also successfully complete a written final comprehensive examination.

Students admitted to the program will normally have an undergraduate degree in science, including introductory courses in genetics (BIOL 334 or equivalent), biochemistry and statistics.

Admission requirements

To gain acceptance to the program, a student must show evidence of first class standing in at least 12 credits and at least upper second class standing in the remaining course work at the Third and Fourth Year level. Students admitted to the program will normally have an undergraduate degree in science, including introductory courses in genetics, biochemistry and statistics or approval of the Director. An interview with the program's admission committee is required prior to acceptance.

New	MEDG 550	<u>Concepts in Clinical Genetics for Genetic Counsellors</u>
	MEDG 560	<u>Genetic Counselling Seminar</u>
	MEDG 565	<u>Advanced Genetic Counselling Seminar</u>
	MEDG 570	<u>Introductory Clinical and Laboratory Rotation</u>
	MEDG 575	<u>Advanced Clinical Rotation</u>

Agricultural Economics

New	AGEC 548 (0)	<u>Major Essay</u>
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Botany

Delete	BOTA 538
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APPENDIX 'B'**Course and curriculum proposals****FACULTY OF GRADUATE STUDIES (continued)****Civil Engineering**

Change CIVL 566 – add corequisite

EconomicsNew ECON 595 (0) Major Essay

Change ECON 690 – change grading to P/F

Electrical EngineeringChanges ELEC 577 – change in title, description, credits
ELEC 593 – change in description**Geological Sciences**Change GEOL 500 – change in number, credits, description (formerly 540)
GEOL 509 – change in number, title, description (formerly 530)
GEOL 563 – change in title, description, credits**Library, Archival and Information Studies**New LIBR 640 (3) Management of Libraries and Archives
(cross-list with ARST 570)
LIBR 654 (3) Research Methods in Libraries and Archives
(cross-list with ARST 590)
Change ARST 570 – cross-list with LIBR 640
ARST 590 – cross-list with LIBR 654**Medical Genetics**New MEDG 550 (6) Concepts in Clinical Genetics for Genetic Counsellors
MEDG 560 (1) Genetic Counselling Seminar
MEDG 565 (1) Advanced Genetic Counselling Seminar
MEDG 570 (3) Introductory Clinical and Laboratory Rotation
MEDG 575 (12) Advanced Clinical Rotation**Metals and Materials Engineering**New MMAT 562 (2) Finite Elements in Heat Transfer**Philosophy**

Change in number and credits:

530 (formerly 501); 520 (formerly 502); 510 (formerly 503); 527 (formerly 505);
551 (formerly 506); 525 (formerly 507); 539 (formerly 511); 512 (formerly 513);
560 (formerly 514); 531 (formerly 521); 532 (formerly 540); 533 (formerly 541A);
534 (formerly 542); 535 (formerly 543); 536 (formerly 544).Change in number and description: 581 (formerly 530); 599 (formerly 549); 699
(formerly 649).

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APPENDIX 'B'

Course and curriculum proposals**FACULTY OF GRADUATE STUDIES****Philosophy** (continued)

New	PHIL 514 (3-12)d	<u>Early Modern Philosophy</u>
	PHIL 516 (3-12)d	<u>Modern Philosophy</u>
	PHIL 518 (3-12)d	<u>Twentieth-Century Philosophy</u>
	PHIL 528 (3-12)d	<u>Philosophical Issues in the Foundations of Mathematics</u>
	PHIL 540 (3-12)d	<u>Epistemology</u>
	PHIL 550 (3-12)d	<u>Metaphysics</u>

Deletions PHIL 500, 593

Physics

New	PHYS 537 (3)	<u>Physics of Soft Organic Interfaces</u>
	PHYS 538 (3)	<u>Physical Properties of Synthetic and Natural Membrane Interfaces</u>

Social and Educational Studies

Change EDST 601 (6/12)c— split into two courses:
 EDST 601 (3/6)c
 EDST 602 (3/6)c

Change in program

Change designation of the Ph.D. Degree in "Human Learning, Development and Instruction (HLDI) to **Ph.D. degree in "Educational Psychology and Special Education" (EPSE)**

Delete Ed.D. Degree in Educational Psychology and Special Education

Social Work

New	SOWK 571 (3/6)d	<u>International Social Development</u>
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School of Community and Regional Planning

New	PLAN 560 (3)	<u>Introduction to Real Property Development and Planning</u>
	PLAN 561 (3)	<u>Seminar in Real Property Development and Planning</u>
	PLAN 565 (1-12)d	<u>Current Issues in Real Property Development and Planning</u>
	PLAN 571 (3)	<u>Housing Policy and Practice in Cities of the Developing World</u>
	PLAN 572 (3)	<u>Project and Program Design in Developing Asian Countries</u>
	PLAN 573 (3)	<u>Shelter and Services in Developing Countries</u>
	PLAN 574 (3)	<u>Urban Design in Developing Asian Countries</u>
	PLAN 575 (3)	<u>International Development Planning Seminar</u>

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APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES

School of Community and Regional Planning (continued)

PLAN 579 (3)	<u>Microcomputers in Transportation Planning</u>
PLAN 586 (3)	<u>Gender and Planning</u>
PLAN 588 (3)	<u>Social Aspects of Urban Form</u>
PLAN 589 (3)	<u>Influencing the Policy Process</u>
PLAN 592 (3)	<u>Urban Restructuring</u>
PLAN 599 (3)	<u>Environmental Policy Analysis</u>
PLAN 601 (3)	<u>Research Methods Seminar</u>
PLAN 602 (3)	<u>Planning Theory Advanced Seminar</u>
PLAN 603 (3)	<u>Ph.D. Colloquium</u>

Deletion PLAN 536

Change PLAN 570 – change in number, description (formerly 529)

Changes in numbers:

520 to 581; 521 to 582; 522 to 583; 523 to 584; 524 to 580; 525 to 591; 526 to 590; 527 to 585; 528 to 587; 529 to 570; 530 to 593; 531 to 594; 532 to 595; 533 to 596; 534 to 597; 535 to 598.

FACULTY OF MEDICINE

Pathology

Change PATH 425 – change present credits from 12 to 14

Radiology

RADI 465 – change grading from P/F to percentage

Bachelor of Medical Laboratory Science – Revised calendar statement (addition in **bold**)

English requirement – In order to graduate from the program candidates must have completed ENGL 100 or six approved credits of first-year English. **Courses taken to satisfy the English requirement will also satisfy 6 credits of Arts electives.** Note: Satisfactory completion of the Language Proficiency Index (LPI) is prerequisite to all first-year English courses at UBC.

FACULTY OF SCIENCE

Atmospheric Science

Change ATSC 200 – change in prerequisite

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APPENDIX 'B'**Course and curriculum proposals****FACULTY OF SCIENCE (continued)****Chemistry**

Change CHEM 250* – change in prerequisite
 CHEM 402, 405, 406, 412, 413 – change in credits, hours

Geography

Change GEOG 200*, 205*, 207*, 306*, 330* – change in prerequisite
 GEOG 372* – change prerequisite and Faculty designation

New GEOG 102* (3) Introduction to Climate and Biogeography
 GEOG 103* (3) Introduction to Terrestrial Physical Geography

Changes in programs – First Year – add GEOG 101 requirement:

Major in Physical Geography
 Honours Climatology
 Honours Geomorphology

Geological Sciences

Changes GEOL 200, 309 – change in title

Microbiology and Immunology

Change in program

Change program description
 Change Requirements for the B.Sc. Degree:
 Option A – Major; Option A – Honours
 Option B Environmental Microbiology Option – Major
 Option B Environmental Microbiology Option – Honours

Oceanography

New OCGY 420 (3) Introduction to Fisheries Science

Change in programs

Combined Oceanography and Biology Honours
 Combined Oceanography and Chemistry Honours
 Combined Oceanography and Geology Honours
 Combined Oceanography and Geophysics Honours
 Combined Oceanography and Physics Honours

Physics

Changes PHYS 406 – change in description, credits, hours

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APPENDIX 'B'

Course and curriculum proposals

FACULTY OF SCIENCE (continued)

Interdepartmental

New program

Calendar statement:**B.Sc. in Freshwater Science**

The Division of Mathematics and Science of Okanagan University College offers a B.Sc. Major Program in Freshwater Science, with the degree being granted through the University of British Columbia. Because of the relationships between water and nearly every other aspect of the natural environment, the Freshwater Science Program includes several fields of study, principally biology, chemistry, geography, geology, hydrology and climatology. Two courses, FWSC 300 and 400, are designed to synthesize and integrate knowledge and skills in biology, chemistry and earth sciences, and to apply critical-thinking skills to complex problems.

The Program provides an understanding of freshwater, its behaviour, origin, distribution and circulation below, on and above the land, its chemical and physical properties, its relationship to water quality, the organisms living in water and the health of aquatic ecosystems, and its interactions with the physical environment. Students will gain a broad understanding of integrated water resource management and the impacts of human activities on the resource.

The Freshwater Science Program is not intended as preparation for post-graduate studies in traditional scientific disciplines without additional qualifying studies. However, it will prepare students for more applied post-baccalaureate resource management and environmental programs offered by several other universities, and will provide graduates with both flexibility and adaptability in choosing careers.

This program is available only at Okanagan University College. For additional program information, contact the Office of the Dean, Division of Mathematics and Science, Okanagan University College, North Kelowna Campus, 3333 College Way, Kelowna, B.C. V1V 1V7.

New	BIOL 304 (3)	<u>Freshwater Microbiology</u>
	CHEM 321 (3)	<u>Environmental Chemical Analysis</u>
	FWSC 300 (6)	<u>Freshwater Science I</u>
	FWSC 400 (6)	<u>Freshwater Science II</u>
	MICB 304 (3)	<u>Freshwater Microbiology</u>