



THE UNIVERSITY OF BRITISH COLUMBIA

Vancouver Senate Secretariat
Senate and Curriculum Services
Enrolment Services
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Vancouver, BC V6T 1Z1
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VANCOUVER SENATE

MINUTES OF DECEMBER 11, 1996

Attendance

Present: President D. W. Strangway (Chair), Vice President Academic D. R. Birch, Dean F. S. Abbott, Dr. P. Adebar, Dr. D. R. Atkins, Dr. J. D. Berger, Dr. G. W. Bluman, Mr. P. T. Brady, Mr. A. Briggs, Dr. P. C. Burns, Professor P. T. Burns, Dean J. Cairns, Ms. L. Chui, Dr. V. Froese, Dr. J. H. V. Gilbert, Ms. J. K. Gill, Dr. V. Gomel, Mr. C. L. Gorman, Mr. H. D. Gray, Dr. A. G. Hannam, Dr. P. G. Harrison, Dr. F. G. Herring, Mr. M. Kirchner, Dr. S. B. Knight, Mr. O. C. W. Lau, Mr. A. Legge, Dr. M. Levine, Dr. D. M. Lyster, Dr. D. J. MacDougall, Dr. M. MacEntee, Dr. P. L. Marshall, Dr. K. May, Dean B. C. McBride, Acting Dean J. A. McLean, Dr. W. R. McMaster, Mr. W. McMichael, Mr. W. B. McNulty, Dean A. Meisen, Mr. J. Murray, Dean S. Neuman, Mr. V. Pacradouni, Mr. T. Pang, Dr. R. J. Patrick, Mr. R. L. de Pfyffer, Professor M. Quayle, Dean J. F. Richards, Dr. H. B. Richer, Dr. D. P. Rolfsen, Dr. H. J. Rosengarten, Dr. R. W. Schutz, Dean N. Sheehan, Dr. C. E. Slonecker, Mr. A. H. Soroka, Dr. J. R. Thompson, Dr. M. Thompson, Dr. S. Thorne, Dr. W. Uegama, Mr. D. R. Verma, Dr. P. A. Vertinsky, Dr. D. Ll. Williams, Dr. R. A. Yaworsky, Dean E. H. K. Yen.

Regrets: Chancellor W. L. Sauder, Mr. P. J. Andru, Mr. S. Arnold, Dean C. S. Binkley, Mr. J. Boritz, Dean M. Goldberg, Dean F. Granot, Rev. J. Hanrahan, Dr. M. R. Ito, Dr. V. J. Kirkness, Mr. D. K. Leung, Professor P. T. K. Lin, Mr. T. P. T. Lo, Mr. S. Lohachitranont, Mr. R. W. Lowe, Mr. B. G. McDonald, Mr. J. Nobbs-Thiessen, Dr. W. J. Phillips, Mr. D. Shu, Dean C. L. Smith, Ms. L. M. Sparrow, Dr. B. J. van der Kamp, Dr. J. Vanderstoep, Dr. W. C. Wright Jr.

Minutes of the previous meeting

Dr. Gilbert

Dr. Richer

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That the minutes of the second regular meeting of Senate for the Session 1996-97, having been circulated, be taken as read and adopted.

Dr. Williams drew attention to page 11528 of the minutes and the statement that there had been a "slight" increase in scholarship funds. Dr. Williams suggested that the word "slight" be changed to "substantial" in view of the fact that in 1995 the sum being spent on Scholarships and Bursaries was \$8.8 million and in 1996 it was \$11.8 million.

The motion was put and carried,
with the noted amendment.

Chair's remarks and related questions

FACULTY OF MEDICINE

President Strangway invited the Dean of Medicine, Dr. Cairns, to comment on a proposal by the Faculty of Medicine concerning a hospital in Thailand.

Dean Cairns informed Senate that this initiative had been started by Dean Hollenberg, former Dean of Medicine, in association with Samitivej Hospital in Thailand. The expectation is that a new medical school will develop an association with this hospital. A number of very well trained physicians and surgeons that are setting up this hospital are very eager to have an academic aspect to it. The plan is that there will be students from that setting who would have their first two years, the basic science oriented years, in medicine at UBC then go back to Thailand for their final two years which would be clinical. Another aspect of this collaboration is that post-graduate trainees would receive part or all of their post-graduate education in Vancouver, and, also, members of their faculty might come here for various experiences. An initial memorandum of understanding was signed between UBC and Samitivej Hospital in January 1996, with the expectation that this will lead to a more specific agreement. Dean Cairns said he hoped that some of the students would be here within the next two or three years.

From the Board of Governors

NOTIFICATION OF APPROVAL IN PRINCIPLE OF SENATE RECOMMENDATIONS

Subject, where applicable, to the proviso that none of the programs be implemented without formal reference to the President; and that the Deans and Heads concerned with new programs be asked to indicate the space requirements, if any, of such new programs.

- i. Awards (p. 11514 & pp.11523-5)
- ii. Establishment of the Vancouver Vascular Biology Research Centre and the Respiratory Disease Centre. (pp.11519-20)
- iii. Naming of a number of endowed chairs in the Institute of Asian Research. (p.11520)

Candidates for Degrees

Dr. Birch
Dean Sheehan

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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, effective November 1996, and that the Registrar, in consultation with the Deans and the Chair of Senate, make any necessary adjustments.

Carried.

Location of the UBC Graduation Ceremonies

The following resolution, passed by the Alma Mater Society at its meeting of November 13, 1996, had been circulated for information:

Whereas there has recently been a great deal of discussion concerning the location of the UBC graduation ceremonies; and

Whereas much of the opinion expressed by Council thus far has been in opposition to the proposed change in venue from the War Memorial Gymnasium to the Chan Centre; and

Whereas the change in venue will provide a more intimate venue, and will result in fewer of the smaller faculties being grouped together, an experience which dilutes the meaning of the graduation ceremony for those graduates; and

Whereas other larger faculties have equally legitimate concerns that the move to the Chan Centre will result in their faculties being split into a larger number of groups than before, which could dilute the meaning of the graduation ceremony for those graduates. The number of guests be limited to four per graduate; and

Whereas AMS Council has a duty to see that the interests of all its constituencies, both large and small, be represented and upheld to the greatest degree possible,

Be it resolved that AMS Council support the principle that individual faculties be consulted as to their preferred choice for their graduation ceremonies, and that this consultation must include discussion with the appropriate student societies and associations; and

Be it further resolved that should the demand exist, ceremonies be held at both the War Memorial Gymnasium and the Chan Centre; and

Be it further resolved that a faculty-by-faculty survey should suffice in terms of sampling student opinion, but should a campus-wide referendum, a poll conducted of all students regardless of the year they are in, or other such method be required, that results be collected and tabulated according to faculty.

Mr. Adam Legge, student senator, explained that students had expressed concern about the proposed change in location for the graduation ceremonies. Some of the concerns were that graduating classes would be split, the number of guests will be limited, which has not been the case in the past, and students felt that they should have a say in this matter since it is a special day for them and their families. A joint task force between the Alma Mater Society and the Ceremonies Office was established and a poll was initiated in order to obtain student opinions. Due to technical difficulties, only those students graduating in 1997 were able to vote instead of the whole student body as was originally anticipated. The results were disappointing in that out of approximately 6700 of those eligible to vote, only 130 undergraduate students and 18 graduate students participated. This was possibly due to the lack of advertising and the fact the poll was conducted during the last week of classes. The possibility of a further poll which would include all members of the student body is being discussed.

Reports of Committees of Senate

ACADEMIC POLICY COMMITTEE

Dr. Burns, chair of the committee, presented the report. The committee recommended approval of the following proposed Calendar revisions:

Reporting Grades

1. Change "transcript" to "academic record" at the end of the fifth paragraph of the current Calendar entry under Grading Practices.

Grading Practices

Faculties, Departments and Schools reserve the right to scale grades in order to maintain equity among sections and conformity to University, Faculty, Department or School norms. Students should therefore note that an unofficial grade given by an instructor might be changed by the Faculty, Department or School. Grades are not official until they appear on a student's academic record.

2. Replace the existing entry Examination Results with the following:

Examination Results

Instructors may, subject to the policy in their Department, School or Faculty, post student grades using lists showing student numbers in numeric order. Student names must **not** be shown. If instructors intent to post grades it is their responsibility to ensure that all students are advised of this before any grades are posted. Students may request that their grades not be posted. Departments, Schools or Faculties may ask professors not to post grades until they have been reviewed. All grades must be clearly labeled "Unofficial".

Official grades are mailed to students following the Winter and Summer Sessions. Any student who must meet an application date for another institution before their official grades are received should contact the transcript clerk in the Registrar's Office to make arrangements to meet the deadline. Official grades for Guided Independent Study courses are mailed to students as soon as possible after they are approved.

Students can contact Student Services world wide web site (<http://www.student-services.ubc.ca>) or call the Student Information System (604-280-8228) for grades that are on the Student Information System and have been approved for release.

These changes describe the procedures currently in use for releasing grades.

Dr. Burns explained that main issue in the proposal was the publishing of examination results. He stated that the intention is to draw up some parameters that will leave open the development of electronic access in the future to enable students to obtain information in a timely fashion. The committee discussed Senate resolutions going back to 1959 on this matter and the current proposal does not violate previous decisions. In the current proposal, however, three values are reflected: 1) the right to confidentiality; 2) the authority of the appropriate department, school or faculty to review the marks, and only after that are they to be recognized as official results; 3) the right of students to have easy and timely access to their academic record.

Dr. Burns
Dr. Berger

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That the proposed Calendar revisions on reporting grades be approved.

Carried.

ADMISSIONS COMMITTEE

Dr. Harrison, chair of the committee, presented the report. The committee recommended approval of the following recommendations:

"That Principles of Mathematics 11 and 12 replace the current Mathematics 11 and 12 as courses used for purposes of admission to UBC."

"That the revised curricula for English 11 and 12 be accepted for purposes of admission to UBC."

Dr. Harrison explained that the committee had been asked to consider changes in high school curricula in relation to current requirements for admission to UBC. He stated that the Ministry of Education, Skills and Training has developed new curricula for Mathematics 11 and 12 and for English 11 and 12. This new curricula will replace the current Mathematics 11 and 12 and English 11 and 12 currently approved for purposes of admission to UBC. The new curricula will be implemented in 1997 and 1998.

<i>Dr. Harrison</i>	}	<i>That the recommendations of the Admissions Committee be approved.</i>
<i>Dr. Rosengarten</i>		

Carried.

CURRICULUM COMMITTEE

See Appendix A: Course and curriculum proposals.

Dr. Berger, chair of the committee, presented the following report:

Faculty of Agricultural Sciences

The committee recommended approval of curriculum proposals from the Faculty of Agricultural Sciences.

Faculty of Arts

The committee recommended approval of curriculum proposals from the Faculty of Arts, subject to editorial changes. The committee also recommended approval of a new program, proposed by the School of Social Work, for the Ministry of Social Services staff members.

Faculty of Education

The committee recommended approval of new courses and a proposal for a Middle Year Option in the B.Ed. program.

Faculty of Forestry

The committee recommended approval of curriculum proposals from the Faculty of Forestry. Dr. Berger noted that the recommendation did not include the proposal to change the Major in Wood Products Processing to B.Sc. (Wood Products and Processing).

Faculty of Science

The committee recommended approval of curriculum proposals from the Faculty of Science, subject to editorial changes.

Dr. Berger
Dr. Marshall

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*That the proposals of the Faculties of
Agricultural Sciences, Arts, Education,
Forestry, and Science, be approved.*

Carried.

B.Sc. (Wood Products and Processing)

Dr. Berger drew attention to the proposal to change the name of the Major in Wood Products Processing under the degree B.Sc. (Forestry), to B.Sc. (Wood Products and Processing). A similar proposal had been turned down by the

committee last year. However, since the designation (Forestry) in the current degree is misleading in the North American context because there is no consideration of living forests and their management in the Wood Products Processing program, the committee recommended approval, although it did express concern at the possible proliferation of degrees. However, the committee had included in the report a separate recommendation concerning this issue.

Dr. Berger
Mr. Brady

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That the proposal to change the name of the Major in Wood Products Processing under the degree B.Sc. (Forestry), to B.Sc. (Wood Products and Processing) be approved.

Carried.

Degree names

Dr. Berger noted that although the committee had recommended approval of the change in degree title for the Major in Wood Products Processing, the committee was concerned that there should not be a proliferation of degrees, and therefore recommended that Senate look into the question of indicating subject and interest areas as part of degree names.

Vice President Birch informed Senate that this issue had arisen recently in the Degree Program Review Committee because of the increase from four to thirteen degree granting institutions in just over a year. He noted that in the past year, 51 degree programs had come forward for consideration, several of which had been approved. Dr. Birch said it would be helpful to UBC and other institutions in the province if some guidelines were to be established which reflect the academic conventions already in place.

Dr. Williams

Dr. Berger

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That the question of indicating subject and interest areas as part of degree names be referred to the Senate Academic Policy Committee.

Carried.

NOMINATING COMMITTEE

Dr. Williams, chair of the committee, presented the following report:

Vacancies on Senate Committees

The Nominating Committee nominates the following to fill student vacancies on Senate Committees:

AGENDA

Mr. Turen Pang - replacing Ms. Carol Ng

APPEALS ON ACADEMIC ON ACADEMIC STANDING

Mr. Turen Pang - replacing Ms. Carol Ng

CONTINUING STUDIES

Mr. Anthony Briggs - to fill vacancy

CURRICULUM

Mr. Turen Pang - to fill vacancy

LIAISON WITH POST-SECONDARY INSTITUTIONS

Mr. Anthony Briggs - replacing Ms. Carol Ng

Dr. Williams

Dr. MacDougall

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That the recommendations of the Nominating Committee to fill vacancies on Senate committees be approved.

Carried.

Ad Hoc Committee on Advising - proposed membership

At its meeting of September 18, 1996 Senate approved a recommendation to establish an Ad Hoc Committee on Advising. The Nominating Committee recommends the following membership:

Ms. Lica Chui	Student senator - Medicine
Dr. Neil Guppy	Associate Dean, Faculty of Arts
Dr. David Holm	Associate Dean, Faculty of Science
Dr. Verna Kirkness	Lt. Governor appointee to Senate
Mr. Jason Murray	Student senator at-large - Arts
Mr. Jesse Nobbs-Thiessen	Student senator - Arts
Dr. Herbert Rosengarten	Faculty of Arts senator
Dr. Robert W. Schutz	Senator at-large - Human Kinetics
Dr. Richard Spencer	Director of Student Services
Dr. S. F. Stiemer	Associate Dean, Faculty of Applied Science
Dr. John Vanderstoep	Agricultural Sciences senator

Dr. Williams noted that among the recommendations were three non-Senate members, namely the Associate Deans of the Faculties of Applied Science, Arts, and Science, and explained that they had been included in order to provide the liaison and information that the committee would need. Dr. Williams also noted that the Registrar, Dr. Spencer, was named to the committee in his capacity as Director of Student Services, which is the appropriate role for this particular committee.

In response to a query by Mr. Lau, Dr. Williams confirmed that the non-Senate members would have voting privileges on the committee.

<i>Dr. Williams</i>	}	<i>That the recommendations of the Nominating Committee for the membership of the Ad Hoc Committee on Advising be approved.</i>
<i>Dr. Gilbert</i>		

Carried.

STUDENT AWARDS

See APPENDIX B: Awards recommended to Senate.

Dr. Bluman, chair of the committee, presented the report.

<i>Dr. Bluman</i>	}	<i>That the awards (listed in Appendix B) be accepted and forwarded to the Board of Governors for approval and that letters of thanks be sent to the donors.</i>
<i>Dean McBride</i>		

Carried.

TRIBUTES COMMITTEE

Memorial Minute

In accordance with the custom of Senate, the following memorial statement had been prepared in recognition by the University and Senate of the late Margaret Ormsby.

MARGARET A. ORMSBY

Margaret Ormsby was a distinguished British Columbian, Academic, Historian and individual. She was born in Quesnel, B.C. in 1909 and died at her beloved home on the shores of Kalamalka Lake on November 2, 1996. She was a Member-at-Large on the Senate from 1963-1966 and had served on Senate committees prior to her term.

Margaret Ormsby's parents encouraged her to be educated, independent and liberated. She attended UBC from 1926-31 and obtained a B.A., a Teacher's Training Certificate and an M.A. Her Master's thesis was entitled: "A Study of the Okanagan Valley of British Columbia." She then attended Bryn Mawr College in Pennsylvania on a scholarship as a Ph.D. Candidate in History. She received her doctorate in 1937 following completion of her thesis on "Relationships between the Province of British Columbia and The Dominion of Canada." During her doctoral studies she also worked briefly as an assistant in the UBC Department of History but was unable to get an appointment following her graduation from Bryn Mawr College. She took her first academic appointment as the Chair of History in a private school in San Francisco, The Sarah Dix Hamlin School. Dr. Ormsby returned to the History Department at UBC in 1943 and rose through the ranks to become Professor in 1955 and Head from 1964-1974 when she retired.

At UBC she fostered the development of the Doctoral Program in History; expanded the department size four-fold; and brought the UBC History Department into a national, North American and international context. Her major work, "British Columbia: A History" was published in 1958 and republished four times in '59, '62, '64 and '71. She championed a non-Toronto and non-Vancouver view of the history of B.C. A quote from her obituary in the Globe and Mail states "For Vancouver and Victoria to abandon their sense of community within the vast historical geography of British Columbia, she said, would be for the Province to lose its soul."

Margaret Ormsby was richly honoured for her work and her academic and social contributions. She was a fellow of the Royal Society of Canada and was elected president of both the B.C. and the Canadian Historical Associations. She was also a member of the Champlain Society, Humanities Research Council of Canada and the American Historical Society. Professor Ormsby also served as Secretary to the UBC Faculty Association in 1956-57. She received Honorary Degrees from all four B.C. universities as well as from the University of Manitoba and the University of Notre Dame in Nelson, B.C. In 1966 she was awarded the Order of Canada.

The UBC Senate awarded her an Honorary D.Litt. in 1974 and approved the Margaret Ormsby Scholarship in 1990. She was an outstanding academic and citizen and she was uniquely recognized as British Columbia's Historian of Record.

<i>Dean McBride</i>	}	<i>That the memorial tribute for Margaret Ormsby be recorded in the minutes of Senate.</i>
<i>Dean Neuman</i>		

Carried.

Report from Senate Representatives on the Presidential Search Committee

The following report had been circulated for information:

The Presidential Search Committee has now completed its work. Accordingly, as Senate representatives on the Committee (even though we are no longer members of Senate), we wish to report in writing to Senate on the Committee's operation and on its recommendation to the Board of Governors.

The Committee was chaired by Chancellor Sauder. It met fifteen times between February and November, 1996. It quickly reached agreement on a modus operandi; developed a candidate profile; considered many excellent nominees and applicants for the position; and interviewed several short-listed candidates. The nineteen-member Committee, chosen to represent various sectors of the UBC community, achieved a remarkable degree of cohesiveness. Discussions were open and frank and, while sectoral interests were always considered, it was the interests of the overall community which guided the Committee's discussions.

The academic decision-making processes within the University, the role of Senate, and the relationship between the President and the Senate featured prominently in the Committee's questions to the candidates.

We are very pleased with the Committee's unanimous recommendation of Dr. Martha Piper as the next President of the University. She has the kind of experience and record which is right for the position; her previous work has evoked remarkably strong commendations from a wide variety of people; she has enthusiasm, thoughtfulness and an excellent sense of the importance of a collaborative approach to change and challenge. The Committee's recommendation was accepted by the Board of Governors and Dr. Piper has now been appointed to the position. A detailed statement on Dr. Piper's background and suitability for the position has been released by the Board of Governors to the university community.

We are grateful to have had the opportunity to have served as Senate representatives on the Committee.

Faculty of Agricultural Sciences

PROPOSAL TO ESTABLISH THE BLYTHE AND VIOLET EAGLES CHAIR IN FOOD BIOTECHNOLOGY

As stated in the material circulated, Dean Richards explained that biotechnology is rapidly transforming the food industry through new approaches to bioprocessing, preservation, and analysis with consequent impact on food quality, safety and composition. The establishment of this chair will enable the Faculty to build on existing strength to become a leading centre for research and teaching in this field. The chair is fully funded from an endowment bequeathed by the late Dr. Blythe Eagles, former Dean of the Faculty of Agricultural Sciences and his wife Dr. Violet Eagles.

<i>Dean Richards</i>	}	<i>That the proposal to establish the Blythe and Violet Eagles Chair in Food Biotechnology be approved.</i>
<i>Dr. Thompson</i>		

Carried.

PROPOSAL TO DISESTABLISH THE CHAIR IN FOOD PROTECTION AND THE CHAIR IN FOOD MARKETING

Dean Richards explained that Senate approved the establishment of these chairs at its meeting of December 11, 1991. The Chairs were established as components of the Food Industry Research Centre. Sufficient external funding did not materialize to fully support either of the chairs. It is anticipated that the funds raised will be reallocated to support the operations of the Centre.

<i>Dean Richards</i>	}	<i>That the proposal to disestablish the Chair in Food Protection and the Chair in Food Marketing be approved.</i>
<i>Dr. Thompson</i>		

Carried.

Faculty of Forestry and Faculty of Arts

ESTABLISHMENT OF CHAIRS IN THE FACULTY OF FORESTRY AND THE FACULTY OF ARTS

As stated in the material circulated, Dr. McLean explained that the proposed establishment of endowed chairs is made possible by endowment funding by Forest

Renewal B.C. and UBC. The chairs to be established are: Chair in Applied Conservation Biology, Chair in Silviculture, Chair in Forest Management, and Forest Renewal Chairs in Forestry Hydrology and Hydrology.

*Dr. McLean
Dean Neuman*

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That the proposal to establish the Chair in Applied Conservation Biology, Chair in Silviculture, Chair in Forest Management, and Forest Renewal Chairs in Forestry Hydrology and Hydrology, be approved.

Carried.

Student Elections to Governing Bodies

In accordance with the *University Act*, section 42, that "The Senate shall make and publish all rules in respect of nominations, elections and voting", the following proposal concerning rules and regulations for student elections to governing bodies had been circulated:

Recommendations for 1997 Elections of Student Senators and Board of Governors Representatives

Following consultation with the AMS, the Registrar makes the following recommendations to Senate:

- That the call for nominations be placed by the AMS in The Ubyyssey on Tuesday, November 19, 1996; Tuesday, November 26, 1996; and Tuesday, January 7, 1997.
- That the close of nominations be 4:00 pm on Friday, January 10, 1997.
- Announcement of the list of candidates to be provided by the Registrar's Office and be publicized by the AMS Elections Administrator before Friday, January 17, 1997.
- Campaigning may take place only after the All Candidates' Meeting on Friday, January 10, 1997 until Sunday January 19, 1997. (new recommendation)
- The voting to take place between Monday, January 20, 1997 and Friday, January 24, 1997.
- The AMS will prepare the ballots for counting. The AMS will be responsible for having the ballots counted and shall provide the results to the Registrar, in confidence. The results are not official until released by the Registrar, in writing, no earlier than 48 hours after the close of polls.

Establishment of The Eric W. Hamber Professorship in Clinical Audiology

- Those elected to the Board of Governors to take office at the first meeting of the Board on or after February 1
- Those elected to Senate to take office at the first meeting of Senate on or after April 1

A copy of the Senate rules and regulations will be given to each candidate for election by the Registrar's Office when they submit their nominations. Copies are available to members of the Senate from the Registrar's Office on request.

Mr. Gorman

Mr. Briggs

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That the recommendations for the 1996/97 student elections to governing bodies be approved.

Carried.

Establishment of The Eric W. Hamber Professorship in Clinical Audiology

It was explained in the material circulated that in December 1991, Senate approved the establishment of the Chair in Audiology and Speech Sciences. A revised statement to the effect that work would also cover clinical audiology was approved in September 1992. In November 1994, Senate approved the disestablishment of the Chair in Audiology and Speech Sciences because the minimum \$1,000,000 necessary to support a chair had not been raised. The expectation that sufficient funds will be raised for an endowment to support a professorship rather than a chair has now been met. Funding for the Professorship is from the Hamber Foundation, and this is reflected in the naming of the Professorship.

Dean Cairns

Dr. Birch

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That the proposal to establish The Eric W. Hamber Professorship in Clinical Audiology be approved.

Carried.

Report on Enrolment 1996-97

The enrolment statistics for 1996-97 had been circulated for information. Dr. Williams noted that although the statistics included information for 1995--96 as well as 1996-97, this did not reflect significant trends, and suggested that it would be helpful to have figures from previous years.

Vice President Birch reminded Senate that last year UBC was 4% below the funded level for undergraduates, and had been required to take on a mandated enrolment increase of 4%. Had the University gone fully to its funded level for this year it would have required an increase of 8% at the undergraduate level, which would have been a tremendous dislocation. However, the University was relieved of some of that pressure and the net increase was ultimately 6%, so it fulfilled the mandated enrolment increase and closed half the distance on the previous shortfall.

Vice President Birch informed Senate that another, though far less severe, mandated enrolment increase for the coming year was anticipated, which suggests that UBC will once again be faced with considering targets that, though not as high as last year's targets following the mandated enrolment increase, are not quite as low as the previous enrolment target.

Dean McBride stated that the Faculties of Science, Arts, and Commerce and Business Administration had borne the brunt of the mandated enrolment increases and this had placed them in a very difficult position. He said it was very difficult for the Faculties to entertain the thought that they could take any more students with the existing physical and human resources available.

Report of the Tributes Committee (in camera)

HONORARY DEGREES

Dean McBride, chair of the committee, presented the report. The committee recommended that the following be invited to accept honorary degrees at the 1997 congregation ceremonies:

This section of the minutes is not being circulated.

<i>Dean McBride</i>	}	<i>That the recommendations of the Tributes Committee concerning honorary degrees be approved.</i>
<i>Dr. Slonecker</i>		

Carried.

Adjournment

The meeting adjourned at 8:45 p.m.

Next meeting

The next regular meeting of Senate will be held on Wednesday, January 15, 1997.

Appendix A: Course and curriculum proposals

FACULTY OF AGRICULTURAL SCIENCES

School of Family and Nutritional Sciences

B.Sc. (Dietet.) - program changes

New course: HUNU 207 (1) Orientation to Dietetics

Deletions: HUNU 211, 401

FACULTY OF ARTS

Anthropology & Sociology

Change: SOCI 360 - change prerequisite

Classical, Near Eastern & Religious Studies

Change in program description

New minor in Classical Studies

New courses: CLST 101 (3) An Introduction to Ancient Greek and Roman Literature

CLST 102 (3) An Introduction to Ancient Greek and Roman History and Archaeology

French

New course: FREN 421 (3/6)d French or Francophone Cultures (in English)

Geography

New course: GEOG 281 (3) Geography of the Pacific Rim (also listed as Art Studies 202)

Philosophy

New course: PHIL 415 (3) The Philosophy of Immanuel Kant

Political Science

New course: POLI 100 (6) Introduction to Politics

School of Family and Nutritional Sciences

New program - minor in Family Science

School of Music

Change in program credits from 36 to 34 Third Year, and from 32 to 30 Fourth Year.

Change in Major requirements.

New Minor in Music

Change in course numbers and prerequisites:
Music 233 and 333, become Music 333 and 433

Change in English requirement: To qualify for the B.Mus. degree, students must satisfy the LPI examination and first-year English requirements as stipulated by the Faculty of Arts.

School of Social Work

New Concentrated B.S.W. Program for Ministry of Social Services Staff

FACULTY OF EDUCATION

Curriculum Studies

New courses: SCED 430 (3) Teaching Science and Technology through Historical Examples
CUST 414 (3) Curriculum and Instruction in Applied Studies in Mathematics, Science, and Technology

Educational Psychology and Special Education

Revised Calendar entry:

Academic Performance is not the sole criterion for promotion to graduation or continuation in a program in the Department of Educational Psychology and Special Education. All program areas within the Department also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational settings.

Teacher Education Program

Middle Years Option in the B.Ed. program: The Middle Years Teacher Education program option allows candidates to focus their preparation on teaching students between the ages of 10 and 14 years of age. After completing all program requirements, candidates are awarded the Bachelor of Education (Middle Years) degree and are normally eligible for the British Columbia Teaching Certificate.

FACULTY OF FORESTRY

New course: CONS 370 (3) Perspectives on First Nations and Forest Lands

Changes: FRST 203 - prerequisite for FRST 351
FRST 351 - prerequisite for FRST 305 and 306
FRST 451 - prerequisite for FRST 423
FRST 486 - now CONS 486
CONS 451, 440 - change description
FRST 232 - remove footnote re challenging
CONS 320 - change hours

Economics requirement - add ECON 374 and AGECE 421B to list of courses in Third Year of the NCR program

Wood Products Processing

Change to degree status: Major in Wood Products Processing under the degree B.Sc. (Forestry) changed to B.Sc. (Wood Products Processing)

Program changes to Fourth Year of the Wood Products Processing program

New courses: WOOD 462 (3) International Marketing of Wood Products
 WOOD 463 (3) Customer Research Methods

Changes: WOOD 241 - change hours
 WOOD 271 - change description, hours, prerequisites
 WOOD 494 - change in hours and credits from (3) to (2)

Co-operative Education Program

WOOD 300, 400 - change title, description and credit value (now 3 credits)

(Effective September 1999, WOOD 400 will be replaced with WOOD 411 and 412 (3) Cooperative Work Placement)

WOOD 310 - split into two courses, now:

 WOOD 311 (3) Cooperative Work Placement

 WOOD 312 (3) Cooperative Work Placement

Delete WOOD 310

Program changes to the Five-year Cooperative Wood Products Processing program

FACULTY OF SCIENCE

Atmospheric Science

Deletions: ATSC 302, 411, 440, 441, 442

Changes: ATSC 200, 301 - change title, description, prerequisite

New courses: ATSC 201 (3) Weather and Climate 2
 ATSC 304 (3) Synoptic Meteorology and Climatology
 ATSC 398 (3) Co-operative Work Placement I
 ATSC 399 (3) Co-operative Work Placement II
 ATSC 404 (3) Dynamic Meteorology
 ATSC 405 (3) Cloud Physics and Chemistry
 ATSC 498 (3) Co-operative Work Placement III
 ATSC 499 (3) Co-operative Work Placement IV

Changes to Atmospheric Science Major and Honours programs

New Co-operative Education Program in Atmospheric Science

Biology

- Deletion: BIOL 431, 439
- Changes: BIOL 352 - change description and prerequisite
BIOL 434 - change description, prerequisite, hours
- New courses: BIOL 315 (3) Plant-Microbe Interactions
BIOL 316 (3) Introductory Plant Pathology
BIOL 336 (3) Evolutionary Genetics
BIOL 443 (3) Plant Breeding and Biotechnology
BIOL 461 (3) Molecular Genetics of Plant Metabolism
BIOL 462 (3) Ecological Plant Biochemistry
BIOL 463 (3) Gene Regulation in Development
BIOL 464 (3) Animal Developmental Genetics

Delete the Honours program in General Biology

- Change in General Biology Major program
Change in Animal Biology Major and Honours programs
Change in Cell and Developmental Biology Major and Honours programs
Change in Conservation Biology Major and Honours programs
Change in Ecology and Environmental Biology Major and Honours programs
Change in Genetics Honours program
Change in Marine Biology Major and Honours programs
Change in Plant Biology Major and Honours programs
New Honours program in Applied Plant Biology
New Honours program in Evolutionary Biology

Chemistry

- Deletions: CHEM 103, 110, 208, 213, 230, 335, 421
- Changes: CHEM 121 - change description and prerequisites
CHEM 201, 202, 407 - change title, description, prerequisite, hours
CHEM 203, 205, 304, 305, 310 - change title, description, prerequisite, hours and credits from (6) to (3)
CHEM 311, 312 - change title, description, prerequisite, hours and credits from (4) to (3)
CHEM 313, 330 - change description, prerequisite, hours and credits from (6) to (3)
CHEM 401, 435 - change description, prerequisite, hours
CHEM 402, 404, 406, 410, 417, 418, 420 - change prerequisite and hours
CHEM 405, 414 - change title, prerequisite, hours
CHEM 408 - change description, hours and credits from (2) to (3)
CHEM 411, 413 - change hours
CHEM 415 - change title, description, prerequisite, hours and credits from (2-4) to (3)
CHEM 416, 449 - change description and hours

New courses: CHEM 111 (3) Principles of Chemistry I
 CHEM 112 (3) Principles of Chemistry II
 CHEM 204 (3) Organic Chemistry
 CHEM 211 (3) Analytical Chemistry
 CHEM 231 (3) Organic Chemistry I
 CHEM 232 (3) Organic Chemistry II
 CHEM 307 (3) Advanced Physical Chemistry
 CHEM 309 (3) Foundations of Inorganic Chemistry
 CHEM 320 (3) Introduction to Chemical Spectroscopy
 CHEM 333 (3) Spectroscopic Techniques in Organic Chemistry
 CHEM 398 (3) Co-operative Work Placement I
 CHEM 399 (3) Co-operative Work Placement II
 CHEM 425 (3) Chemistry Laboratory II
 CHEM 498 (3) Co-operative Work Placement III
 CHEM 499 (3) Co-operative Work Placement IV

Change to Chemistry Major program
Change to Environmental Major and Honours Options
Changes to Biochemistry and Chemistry Combined Honours program
Changes to Biology and Chemistry Honours program
Changes to Chemistry and another subject Combined Honours program
Changes to Chemistry and Mathematics Combined Honours program
Changes to Oceanography and Chemistry Combined Honours program
Changes to Physics and Chemistry Combined Honours program
Changes to Chemical Engineering and Chemistry Honours program
New Co-operative Education Program in Chemistry

Computer Science

Change in Calendar statement for students wanting a comprehensive introduction to Computer Science as a discipline.
Changes: CPSC 100 - change description
 CPSC 152 - change prerequisite and pairing list
Change in Major and Honours programs
Changes to pairing list - replace FRST 130 with FRST 232

Co-operative Education Courses

Change in credits from (0) to (3) for: CPSC 298, 299, 398, 399, 499, MATH 398, 399, 498, 499, MICB 398, 399, 498, 499, PHYS 298, 299, 398, 399, 498, 499, STAT 398, 399, 498, 499

Earth and Ocean Sciences

Deletions: GEOL 310, 405, GEOP 310, OCGY 310, 411

Appendix A: Course and curriculum proposals

- Changes: GEOP 426 - change prerequisite
GEOL 403 - change title, description and prerequisite
- New courses: ATSC 409 (3) Numerical Techniques for Ocean, Atmosphere and Earth Scientists
EOSC 310 (3) The Earth and the Solar System
EOSC 311 (3) The Earth and its Resources
EOSC 314 (3) The Ocean Environment
EOSC 315 (3) The Ocean Ecosystem
EOSC 316 (3) Imaging the Earth
GEOG 409 (3) Numerical Techniques for Ocean, Atmosphere and Earth Sciences
GEOL 402 (3) Physical and Chemical Volcanology

Geography

- Deletion: GEOG 302
- Changes: GEOG 200, 301 - change title, description, prerequisites
- New courses: GEOG 201 (3) Weather and Climate II
GEOG 304 (3) Synoptic Meteorology and Climatology

Mathematics

- Deletion: MATH 414
- Changes: MATH 223 - change description
MATH 322, 323, 422, 423 - change title, description, prerequisite
MATH 443 - change description
MATH 449 - change title and description

Microbiology

- Changes: MICB 421 - change title, description, prerequisite, hours
MICB 430 - change credits from (6) to (3/6)c

Change in Microbiology Major and Honours programs

Physics and Astronomy

- Deletions: ASTR 200, 302, 401, 421, 431
- Changes: ASTR 303 - change description and prerequisite
ASTR 402 - change title, description, prerequisite
PHYS 121 - change description and prerequisite
PHYS 122 - change description
PHYS 340 - change title, description and credits from(6) to (3)

Appendix A: Course and curriculum proposals

New courses: ASTR 201 (3) Stellar Astrophysics
 ASTR 202 (3) Galactic Astronomy
 ASTR 304 (3) Research Topics in Astronomy
 ASTR 310 (3) Exploring the Universe I: The Solar System
 ASTR 311 (3) Exploring the Universe II: Stars and Galaxies
 ASTR 403 (3) Cosmology
 ASTR 404 (3) Astronomical and Astrophysical Measurements
 ASTR 405 (3) Astronomical Laboratory

Delete Astronomy and Geophysics Honours program

Change in Astronomy Major program

Change in Physics and Astronomy Honours program

Psychology

Change: PSYC 310 - change in number, now PSYC 363

Change in Psychology Major and Honours programs

Statistics

Change: STAT 305 - change hours

Editorial changes

Science Co-operative Education Programs - change description, program and credits

Diploma in Meteorology - change Calendar statement

Biochemistry and Molecular Biology - change in Major and Honours programs

Biology - editorial change to accommodate changes in CHEM course numbers

BIOL 353 - change description and hours

Chemistry - CHEM 122, 301, 302, 412 - change in prerequisite

Computer Science - CPSC 402 - change prerequisite

Change in Computer Science and Mathematics Combined Honours program

Change in Computer Science and Physics Combined Honours program

Earth and Ocean Science change in Major and Honours programs

Earth and Ocean Sciences - EARTH 100 - change title, description, hours

GEOL 312 - renamed EOSC 312

Change in Geology and Geophysics Combined Honours program

Change in Geology and another subject Combined Honours program

Change in Hydrogeology and Soil Science Combined Honours program

Change in Geophysics Major and Honours programs

Change in Oceanography and Biology Combined Honours program

Change in Fisheries Oceanography Combined Honours program
Change in Oceanography and Geology Combined Honours program
Change in Oceanography and Geophysics Combined Honours program
Change in Oceanography and Physics Combined Honours program
GEOP 317 renamed EOSC 317
Geography - Physical Geography Major, Climatology Honours, Geography/Geology Combined Honours - program changes
Mathematics Major, Mathematical Sciences Major, Mathematics Honours - program changes
Microbiology 398 - change description
Microbiology 399, 498, 499 - change description and prerequisite
Microbiology - Major and Honours programs named Molecular Microbiology and Biotechnology
Pharmacology - program change
Physiology - program changes and editorial changes to Calendar description of program
Physics and Astronomy - GEOP 316 now ASTR 316 - change description
Physics program changes
Psychology - Major and Honours program changes
PSYC 310 - change in number, now PSYC 363
Statistics - change in program description

APPENDIX B: Awards recommended to Senate

John R. Grace Fellowship-Fellowships totalling \$15,000 have been endowed by friends, colleagues and The University of British Columbia in honour of Dr. John R. Grace. The awards are offered to graduate students in a master's or doctoral program and are made on the recommendation of the Faculty of Graduate Studies. (Available 96W Session)

Honor Mary Kidd Bursary in Medicine-Bursaries totalling \$7,500 have been endowed through the estate of Leonard Edward Timbers for women students in Medicine. (Available 97W Session)

Walter C. Koerner Fellowship-Fellowships totalling \$60,000 have been endowed in memory of Dr. Walter C. Koerner. The awards are offered to graduate students in a master's or doctoral program and are made on the recommendation of the Faculty of Graduate Studies. (\$35,000 available 96W Session)

Colin D. Spence Memorial Scholarship in Geology-A \$6,000 scholarship has been endowed by friends, colleagues, and Rio Algom Exploration Inc. in memory of Colin D. Spence. The award is offered to a Masters degree student in Geological Sciences, Geological Engineering or Geophysics in the Department of Earth and Ocean Science and is renewable for a second year. It is made on the recommendation of the Faculty of Graduate Studies. (Available 97W Session)

UBC Alumni Association Scholarship-A \$2,500 scholarship is offered by the UBC Alumni Association 1995/1996 Board of Directors through funds raised at the Annual Alumni Achievement Dinner. It is made on the recommendation of the Office of Awards and Financial Aid to a student entering the final year of a baccalaureate program. (Available 96W Session)