



THE UNIVERSITY OF BRITISH COLUMBIA

Vancouver Senate Secretariat
Senate and Curriculum Services
Enrolment Services
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VANCOUVER SENATE

MINUTES OF MAY 20, 1998

Attendance

Present: President M. C. Piper (Chair), Vice-President B. C. McBride, Dr. P. Adebar, Acting Dean D. R. Atkins, Mr. M. Beese, Dr. I. Benbasat, Dr. J. D. Berger, Dean C. S. Binkley, Dr. G. W. Bluman, Dr. P. C. Burns, Dean J. A. Cairns, Ms. A. Cheema, Mr. A. Chui, Ms. L. Chui, Mr. M. Edwards, Dr. V. Froese, Dr. J. H. V. Gilbert, Dr. V. Gomel, Mr. C. L. Gorman, Dean F. Granot, Mr. H. D. Gray, Dr. P. G. Harrison, Dr. F. G. Herring, Dean M. Isaacson, Dr. V. J. Kirkness, Dr. S. B. Knight, Mr. J. Kondopulos, Mr. O. C. W. Lau, Mr. D. K. Leung, Mr. B. Liu, Mr. T. P. T. Lo, Mr. R. W. Lowe, Dr. M. MacEntee, Dr. P. L. Marshall, Dr. K. May, Mr. W. B. McNulty, Dean pro tem D. F. Measday, Mr. A. Mitchell, Mr. R. Morin, Dean S. Neuman, Mr. V. Pacradouni, Mr. R. L. de Pfyffer, Mr. G. Podersky-Cannon, Ms. C. Quinlan, Dr. R. W. Schutz, Dean N. Sheehan, Dr. C. E. Slonecker, Ms. K. Sonik, Dr. M. Thompson, Dr. W. Uegama, Dr. J. Vanderstoep, Mr. D. R. Verma, Dr. P. A. Vertinsky, Dr. D. L. Williams, Dr. W. C. Wright Jr., Dr. R. A. Yaworsky, Dean E. H. K. Yen, Mr. A. Zuniga.

Regrets: Chancellor W. L. Sauder, Dean F. S. Abbott, Dean J. Blom, Mr. P. T. Brady, Prof. P. T. Burns, Mr. W. Cheung, Dr. A. G. Hannam, Rev. J. Hanrahan, Dr. M. R. Ito, Mr. J. Keng, Mr. J. Ko, Dr. M. Levine, Professor P. T. K. Lin, Dr. D. M. Lyster, Dr. D. J. MacDougall, Dr. W. R. McMaster, Mr. W. McMichael, Dr. W. J. Phillips, Dean M. Quayle, Professor J. A. Rice, Dr. H. B. Richer, Dr. D. P. Rolfsen, Dr. H. J. Rosengarten, Mr. A. H. Soroka, Ms. L. M. Sparrow, Dr. J. R. Thompson, Dr. S. Thorne.

Assistant Secretary of Senate

On behalf of Senate, President Piper acknowledged with gratitude, respect and affection, the dedicated contribution of Fran Medley, Assistant Secretary of Senate for the past 29 years, and an employee of UBC for 31 years. The President and Senate presented Ms. Medley with floral tributes and a Certificate of Merit. Mr. Mark Beese, representing the student senators, also thanked Ms. Medley on behalf of the many student senators over the years for her assistance and encouragement, and presented her with an engraved watch in appreciation. Ms. Medley thanked those present for their expressions of appreciation.

Senate membership

DECLARATION OF VACANCY (*UNIVERSITY ACT*, SECTION 36(6))

Dr. Harvey Richer - representative of the Faculty of Science

Minutes of the previous meeting

<i>Dr. Gilbert</i>	}	<i>That the minutes of the eighth regular meeting of Senate for the Session 1997-98, having been circulated, be taken as read and adopted.</i>
<i>Dr. Berger</i>		

Carried.

Business arising from the Minutes

SENATE NOMINATING COMMITTEE MEMBERSHIP

In accordance with established procedures, two student vacancies on the Senate Nominating Committee had been declared at the previous meeting. In response to a call for nominations to fill these vacancies, Mr. Christopher Gorman and Mr. Mark Beese had been nominated.

<i>Dr. Williams</i>	}	<i>That nominations close.</i>
<i>Dr. Slonecker</i>		

Carried.

There being no further nominations, Mr. Gorman and Mr. Beese were declared elected.

The following items were brought forward from the April 15, 1998 agenda.

TRIBUTES COMMITTEE

On behalf of the Tributes Committee, Dr. Slonecker read to Senate the following memorial minutes which had been prepared in accordance with the custom of Senate.

Memorial Minutes

SAM BLACK (1913 – 1998)

Sam Black was an outstanding artist, educator and member of the UBC community. He was born in the Strathclyde region of South-western Scotland and graduated from the Glasgow School of Art. He entered the teaching profession in 1936 and continued his study of art in London, Paris and Brussels prior to World War II.

When the war began in 1939, Sam enlisted in the Royal Scottish Fusiliers and received a commission in the Officer Corps. He was assigned to the Eastern Command Camouflage School during the defence of Britain and was at Normandy with the 1st British Corps in June of 1944. He saw action in France, Belgium and Germany and was decorated with 3 military stars, the Defence Medal, an Oak Leaf and the Belgian Medaille Civile for bravery. Sam finished his military service as a Major in 1945.

He resumed his educational career and became a Principal Lecturer in Arts at the Jordanhill Training College in Glasgow. In 1957, he was a visiting Professor at UBC, teaching Art at a summer school session. He was well received on the Point Grey campus and his UBC colleagues persuaded him to return in 1958 as a full-time Professor of Fine Arts and Art Education.

Sam was an excellent teacher at UBC. When Walter Koerner established the Master Teacher Award in memory of his brother Leon in 1969, Walter Gage was awarded the first Master Teacher Award. In 1970, Sam Black was the second UBC faculty member chosen as a Master Teacher. He was also active in the University community and served as a member-at-large Senator from 1967-1972.

Sam Black received many awards and honours for his artistic works and accomplishments during his academic career at UBC. One of the most prestigious honours came in 1977 when he was elected to membership in the Royal Canadian Academy of Arts. Those elected to membership in the Academy must be men or women who have exhibited outstanding creative merit and are acknowledged to be Masters in the particular discipline of visual or environmental arts in Canada. The Master Teacher was also deemed to be a Master Artist.

He retired to his studio and gallery - the Shieling - on Bowen Island in 1978. He continued to be recognized nationally and internationally for his outstanding creativity. In 1990, UBC recognized Sam's unique contributions to the University, the Province, Canada and the world by conferring upon him a Doctor of Letters, honoris causa.

UBC was fortunate to have had Sam Black as a member of their Academic community. Over the 41 years that he was associated with UBC, he brought it honour, wisdom, humour, inspiration and respect as a teacher, an artist, a public speaker, a faculty member and a committed supporter of the campus community.

DOUGLAS HAROLD COPP (1915 – 1998)

Dr. Harold Copp was a renowned Canadian medical scientist. He came to UBC in 1950 as a Professor and the first Head of the Department of Physiology when the Faculty of Medicine was founded. He was a strong advocate for medical research and played a major role in developing the reputation of the Faculty of Medicine at UBC. He served on the UBC Senate on three different occasions: 1954-57, 1966-69 and 1975-78, and was Coordinator of Health Sciences before his retirement in 1980.

Dr. Copp received his MD from the University of Toronto in 1939 and his Ph.D. in Biochemistry from The University of California at Berkeley in 1943.

He began his academic career in Berkeley during World War II where he worked on the Manhattan Project and was one of the first scientists to warn of the health hazards of atomic fission materials. His life long interest in bone metabolism led to his discovery of the hormone Calcitonin in 1961. Subsequent endocrinological studies of this hormone led to new knowledge in calcium metabolism and better understanding of osteoporosis and other bone diseases. These discoveries were the basis for inducting Harold Copp into the Canadian Medical Hall of Fame as one of the 10 chartered members in 1994.

He also received many other honours for his scientific and academic achievements. He was a Fellow of both the Royal Society and the Royal Society of Canada, President of the Academy of Science of the Royal Society of Canada, and an Officer of the Order of Canada. He received the Gairdner Award, the Flavelle Medal and the Jacob Biely Research Prize and served as President of both the Canadian Physiological Society and the National Cancer Institute of Canada. For these achievements, UBC awarded Harold Copp the degree Doctor of Science, honoris causa in 1980.

He was dedicated to an academic career and to UBC. He made major contributions to this University as a teacher and an administrator and he brought distinction and international repute to UBC through his scholarly work. He made a major contribution to our University and our community, and improved the health of many throughout the world through his scientific discoveries.

JAMES G. FOULKS (1916 – 1998)

James Foulks received his BA from Rice University and his Ph.D. from Johns Hopkins University. He served in World War II and was engaged in experiments involving high altitude physiological research. This stimulated his interest in Medicine and he completed his M.D. at Columbia University in the late 1940's and began his research career in renal and cardiovascular studies.

James Foulks became the founding Head of the Department of Pharmacology at UBC in 1950. He was one of the chartered members of the Faculty of Medicine. Jim chaired the department for 21 years and retired in 1987. In the 1950's, Jim also was a founding member of the British Columbia Heart Foundation which was one of the first such agencies in Canada developed to support medical research.

Jim served on the UBC Senate in 1957-60, 1964-66, and 1972-75. He also was active in the UBC Faculty Association and served as its President in 1959-60. He had a strong social conscience. He was active in the Canadian Association of University Teachers and served as Chairman of its Appeals Committee in 1974, and was President for 2 years from 1981-82.

James Foulks was a gentleman, a scholar, and a thoughtful colleague. He served UBC with distinction.

ALICE PENNY GOULDSTONE (1919 – 1997)

Penny Gouldstone was born in Lancashire and educated at Leigh Grammar School and The University of Manchester. She immigrated to Canada in 1950 and initially taught high school in Vancouver and Powell River. In 1959, she began a career at UBC in Art Education and in 1973 she was elected chair of that department. Penny served on the UBC Senate from 1978-81 as a representative of the Faculty of Education. She retired in 1984 and became active as an Associate of the UBC Botanical Gardens and a member of the Davidson Club. Her role as Secretary in the Davidson Club was her greatest contribution to the Botanical Gardens. She recruited supporters, donors and volunteers for the Friends of the Garden with enthusiasm and devotion.

Her special creative interests in art were in the development of crafts, particularly textiles. She received national recognition for her creative efforts and had them exhibited in the National Art Gallery of Canada, the Canadian Pavilion at Expo '67, and numerous galleries across the country.

She was a member of the Board of Directors of the Community Arts Council of Vancouver and a Trustee of the Vancouver Art Gallery. Penny was given honorary life membership in the BC Art Teachers Association and the Canadian Society for Education through Art. In 1990, she received a 75th Anniversary Medal from UBC and was recognized as an individual who had "contributed in a unique and extraordinary way over the past 25 years to make UBC an outstanding public institution." She was a respected and popular member of the faculty and she will be missed by her colleagues and her students.

ROBERT BEWS KERR (1909 – 1998)

Born and raised in Hamilton, Ontario, Dr. Robert Kerr obtained his MD from the University of Toronto in 1933. His training in Internal Medicine was taken in Toronto and London, England where he did fundamental research in diabetes with Sir Charles Best and Sir Harold Hinsworth. He served in the Canadian Army from 1941-45 in England, Belgium and Germany and was awarded the Order of the British Empire in 1944 for his successful treatment of an outbreak of diphtheria involving 430 cases.

In 1950, he was appointed the founding Head of the Department of Medicine at The University of British Columbia. He was also appointed as one of the initial senators of the Faculty of Medicine in 1950-51 and re-elected to serve a full term from 1951-54. He was a role-model as a teacher and a clinician to UBC medical students from 1950-74. He was also active in the Royal College of Physicians and Surgeons of Canada and served on the Board of that organization as a Councillor and as President in 1966-68. As a Professor Emeritus, he continued to serve the medical profession in Vancouver. He was a long time resident of the University Hill community and was active in community affairs throughout his life in Vancouver. The University is grateful for his dedication and contributions to the academic development of the Medical Faculty and UBC.

HAROLD ROCKE ROBERTSON (1912 – 1998)

Born in Victoria in 1912, he was a graduate of UBC and of McGill University where he received his MD in 1936. Following an internship, he studied Surgery at the Royal Infirmary in Edinburgh from 1938-39. He served with the 2nd Canadian Surgical Unit in the Sicilian Campaign and completed his war service as a Lieutenant-Colonel. Shortly after returning to Montreal in 1945, he resettled in Vancouver as Chief Surgeon at Shaughnessy Hospital. When the new Faculty of Medicine at UBC was founded in 1950, Dr. Robertson was appointed as the first Professor of Surgery at the Vancouver General Hospital Campus. He was an outstanding leader and surgeon and developed a strong teaching and clinical training environment at UBC. He served on the UBC Senate from 1954-57 as a representative of the Faculty of Medicine and again in 1958-59 as the Acting Dean of Medicine.

In 1959, Dr. Robertson was asked to be Surgeon-in-Chief of the Montreal General Hospital. He was subsequently appointed Principal and Vice-Chancellor of McGill in 1962 and served in that capacity until his retirement in 1970. He received numerous Honorary Degrees including a Doctor of Science, honoris causa from UBC in 1964. He was also a Companion of the Order of Canada, and a Regent of the American College of Surgeons.

He was a distinguished UBC alumnus, a founder of the UBC Faculty of Medicine and an outstanding Canadian.

HARRY VERNEY WARREN (1904 – 1998)

Harry Warren was affiliated with UBC for 75 years. He was an undergraduate at UBC from 1923 to 1927 and received both a B.A. and a B.A.Sc. As a scholar-athlete, he was selected as British Columbia's Rhodes Scholar in 1926, and graduated from Oxford University with the degree of B.Sc. and D.Phil. In 1928, he represented Canada at the Amsterdam Olympics and competed as a sprinter. He joined the UBC faculty in 1932 and was teacher and researcher in Geology. While he officially retired as Professor Emeritus in the 1970's, he continued to regularly come to the campus and do research until the mid-1990's.

He was a pioneer in interdisciplinary studies linking biology, geology and chemistry and used this knowledge to assay cuttings from plants and trees as a prospecting technique for detecting minerals in the soil. He also studied the relationship of trace elements in the soil with the health of people living on that soil. He was a Fellow of the Royal Society of Canada, the Geological Society of America and the Geochemical Society.

He was active in the academic and social life of the campus and served as a liaison between students and faculty. He devoted a great deal of time to coaching and supporting the development of young men and women in a variety of sports, particularly field hockey and cricket. He was a champion of the ideals of amateur sport and a role model for young athletes. The Warren Pitch at Thunderbird Park is named after Harry Warren.

Harry Warren served on the UBC Senate from 1939 - 1960 and again from 1963 - 1972. In addition to his academic honours, he was a member of the Order of Canada and the BC Sports Hall of Fame and received an Honorary Doctorate of Science from UBC in 1978. He made outstanding contributions as a scholar, a prospector, an athlete and a citizen and he brought honour, respect and character to UBC.

*Dr. Slonecker
Dr. Williams*

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That the memorial tributes for Sam Black, Douglas Harold Copp, James G. Foulks, Alice Penny Gouldstone, Robert Bews Kerr, Harold Rocke Robertson and Harry Verney Warren, be recorded in the minutes of Senate.

Carried.

MAILING INFORMATION FROM THIRD PARTIES TO MEMBERS OF SENATE

The Registrar presented the following proposal for mailing information from third parties to members of Senate:

From time to time individuals and organizations ask for assistance in mailing material to members of Senate. Some members of Senate are reluctant to release their mailing addresses for this purpose.

To ensure that those who wish to make their views known to members of Senate by mailing material to them are able to do so, I propose that the Registrar's Office should mail material from third parties to members of Senate when it meets the following conditions:

- it is brought to the Registrar's Office in sealed packages, ready for addressing and mailing;
- correct postage has been applied to each package;
- there is a valid return address on each package.

The return address would provide some assurance that the sender had a legitimate purpose for sending information to members of Senate and would allow members to respond to the sender if they wished to do so. Mail would only be returned to this address if an incorrect mailing address was used for a member of Senate.

The Registrar's Office would address and mail these packages. The addresses of members of Senate would not be released to the third party. The Registrar's Office would not open the packages or monitor the contents.

Dean Isaacson
Dr. Berger

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That the guidelines for mailing information from third parties to members of Senate be approved.

Carried.

PROPOSAL TO ESTABLISH THE CENTRE FOR INTERNATIONAL HEALTH

Vice President McBride presented a proposal to establish the Centre for International Health. It was explained in the material circulated that the Centre will create a multidisciplinary community of faculty and students concerned about international health research, education, and service. Its mission will include supporting linkages between faculties, departments and other organizations concerned with international issues in the health sector, stimulating interdisciplinary educational, experiential and research opportunities for students and faculty, and serving as a focus for scholarly development within the academic community on the complex and challenging issues associated with global health strategies. Vice President McBride described the Centre as an exciting opportunity for collaboration among many different faculties and departments.

Dr. McBride
Dr. Gilbert

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That the proposal from the Office of the Coordinator of Health Sciences to establish the Centre for International Health be approved by Senate and recommended for approval by the Board of Governors.

Carried.

PROPOSAL TO CHANGE THE HONGKONG BANK CHAIR TO TWO PROFESSORSHIPS AND ONE VISITING CHAIR

Vice President McBride presented the proposal, which was brought forward from the March meeting. At that meeting, parts one and two of the proposal were approved,

and part three was withdrawn pending clarification as to whether the visiting position should be designated a Professorship or a Chair. It was subsequently decided that the visiting position be designated a Chair.

Dr. McBride

Dr. Atkins

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That Senate approve and recommend approval by the Board of Governors the restructuring of the Hongkong Bank Chair in Asian Commerce into the:

- 1. Hongkong Bank Professorship in Asian Commerce.*
- 2. Hongkong Bank Professorship in Asian Business.*
- 3. Hongkong Bank Visiting Chair in International Business.*

Carried.

Chair's remarks and related questions

The President spoke of her recent visit to Europe, and her participation there in a group called 'Universitas 21'. This organization comprises the presidents of approximately 20 full service research public universities around the world. The consortium is examining how its members can collaborate as a group on international, global initiatives. As an example of these initiatives, the President cited collaboration on an international, multi-university curriculum designed to give students international credentials in a given field. The group has met for only the second time, and hopes soon to realize its full power to collaborate on world funding and research opportunities.

The President was pleased to share a recent announcement by the Government with regard to the British Columbia Knowledge Development Fund. The Fund entails a \$100

President's Report on the Visioning Process - Green Paper

million commitment over 6 years to partner the federally operated Canada Foundation for Innovation. This money will be used for research , infrastructure, research universities and teaching hospitals. President Piper thanked Vice President Research, Dr. Bernie Bressler and his staff, for exhibiting leadership in putting a strong case forward for both UBC and universities across the province. The President expects UBC will be one of the institutions to gain from the fund. Letters of intent will start going forward in June.

The third item presented by the President was the Canadian Olympic Organization's recent invitation to UBC to participate as a venue for the 2010 Winter Olympics. The President warned that the bid process is a very long one, and if anything were to come of it, UBC would not receive word until 2003. UBC is being asked to house the speed skating oval, and the athlete's village, which would ultimately give UBC a further 2,500 room spaces, both of which would be built by the Olympic organization. Public forums will be held between now and July, to examine the first component of an agreement in principle. For further information, members should contact either Vice President Maria Klawe, or Dr. Slonecker at the Ceremonies Office.

President's Report on the Visioning Process - Green Paper

The President invited all senators to participate in the upcoming second university-wide forum for discussion of the Green Paper. This will be the final open discussion on campus before the process of rewriting the Paper begins. The President's office has already received between 50 and 75 written submissions, many external responses from alumni, from international and national partners, and other post-secondary institutions.

Candidates for Degrees

Dean Granot
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, and that the Registrar, in consultation with the Deans and the Chair of Senate, make any necessary adjustments.

Carried.

List of Recipients of Scholarships and Awards

A list of the 28 heads of graduating classes was circulated for information. Dr. Bluman informed Senate that of the 28 heads of graduating classes 18 entered UBC directly from high schools, 14 of these from B.C. public high schools, 3 from out of the province, and one from outside of Canada. Of the remaining 10, 4 came from B.C. colleges, including the heads of the graduating classes of Arts, Dental Hygiene, Dentistry, and Nursing. Two came from other B.C. universities, 2 from other Canadian universities, and 2 from foreign universities. Four of the undergraduate winners held major entrance scholarships. The heads of the graduating classes in Commerce and Business Administration and in Science held Chancellor Scholarships. The heads of the graduating classes in Engineering and Pharmaceutical Sciences held President's Scholarships.

The heads of the graduating classes in Human Kinetics and in Science received Wesbrook Scholarship designations. Eighteen of the 28 winners were women, including the heads of the graduating classes of Agricultural Sciences, Architecture, Arts, Dentistry, Engineering, Law, and Medicine.

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

The following report and recommendations concerning the forthcoming elections had been circulated:

The *University Act*, Section 43, states that "... Senate must make and publish all rules necessary and consistent with this Act in respect of nominations, elections and voting..."

All elections shall be conducted using Televote.

Board of Governors

1. The Registrar shall conduct the elections.
2. Each candidate shall be nominated in writing, the nomination to be signed by seven persons entitled to vote in the election of the Board of Governors and by the nominee indicating willing-ness to run for election, and the nominations shall be sent to the Registrar.
3. Each nominee shall be requested to supply a statement of no more than 250 words, including a brief curriculum vitae, which will be put on the Elections home page on the World Wide Web. Each nominee may supply a photograph of himself or herself to accompany the statement.
4. Voting shall be conducted by Televote.
5. The election schedule shall be as follows:

Faculty (two to be elected)	
Call for nominations	Monday, September 14, 1998
Close of nominations	Monday, October 5, 1998
Last day of voting	Friday, November 6, 1998

Non-faculty full-time employees (one to be elected)	
Call for nominations	Monday, October 19, 1998
Close of nominations	Monday, November 9, 1998
Last day of voting	Friday, December 11, 1998

Senate

Election of chancellor and (eleven) Convocation members of Senate

1. The Registrar shall conduct the elections.
2. All nominations of candidates for the office of Chancellor shall be signed by seven persons entitled to vote in the election.

3. All nominations for membership in the Senate shall be signed by three persons entitled to vote in the election.
4. All nominations for election of candidates for the office of Chancellor and for membership in Senate shall require the signature of the nominee indicating willingness to run for election.
5. The Registrar must immediately send a written notice of nomination to each person nominated as a candidate for the office of Chancellor and to each person nominated as a candidate for membership in the Senate, with a request that the candidate forward to the Registrar information about the following:
 - a. the candidate's degrees and the dates of them;
 - b. the candidate's occupation;
 - c. offices held by the candidate at a university or in any other organization;
 - d. the candidate's other professional or business interests;
 - e. the candidate's publications. (*University Act*, Section 14 (3))
6. The Registrar shall circulate only the information specified above in the *University Act*.
7. The election of Convocation members will be scheduled and regulated as follows:
 - a. this election shall include the election of a Chancellor;
 - b. the notice of the election and call for nominations shall be made in the summer *Chronicle* to be published in the last week of June, 1998;
 - c. the close of nominations for Chancellor and for Convocation membership in the Senate shall be 4.00 p.m. on Monday, August 3, 1998.
 - d. the biographical information on the candidates and voting instructions shall be circulated with the fall *Chronicle* to be published in the last week of September 1998.
 - e. the last day of voting shall be Friday, January 29, 1999.
8. In the event that after the close of nominations but before the election date it is found that a nominee for the office of Chancellor could not serve if elected, the Registrar shall be authorized, if so instructed by the Chair of the Senate, to delay the election and issue another call for nominations.
9. Voting shall be conducted by Televote.

10. The results of the election, in accordance with Section 16 of the University Act, will be reported to the Senate at its next regular meeting, February 24, 1999.
11. Replacement procedures for Convocation representatives to Senate. If a vacancy occurs in the case of a Convocation senator, it shall be filled by the candidate who received the most votes among those who were nominated but not elected in the preceding triennial election. If the vacancy cannot be filled in this manner it shall be filled by a member of Convocation nominated by the Alumni Association. (Approved by Senate, December 13, 1995)

Election of faculty members at-large (ten to be elected)

1. The Registrar shall conduct the election.
2. Voting shall be conducted by Televote.
3. Each candidate shall be nominated in writing, the nominations to be signed by three faculty members (see "Eligibility" for the definition of a faculty member).
4. The election schedule shall be as follows:

Faculty members at-large (ten to be elected)	
Call for nominations	Monday, January 11, 1999
Close of nominations	Friday, January 29, 1999
Last day of voting	Friday, March 5, 1999

5. Replacement procedures. "A vacancy in this category shall be filled by a candidate in the ... election of members at-large. Where no candidate is willing or able to serve as a replacement, a special election to fill that vacancy will be held." "The Registrar shall invite the candidate who received the highest number of votes in the ... general election ... to fill the vacancy. If that candidate declines ... the candidate with the next highest number of votes shall be invited to fill the vacancy, and so on, until a willing candidate is found." "An individual who has vacated a position as a representative of the faculty members at-large is not thereby disqualified from filling a vacancy in accordance with the above procedures." (Approved by Senate, May 25, 1977)

Elections of faculty members from individual faculties (two from each faculty)

1. Individual faculties will make their own decisions on the procedures and timing of the election of their two representatives to serve on Senate on the understanding that all elections be completed by February 26, 1999. Such elections may be held at faculty meetings subject to the terms of the University Act (i.e., those participating in the elections must be faculty members as defined in III. A, "Eligibility" on page 4).
2. With the election period for Faculty representatives to the Board of Governors ending Friday, November 6, 1998, and the election period for faculty members at-large to Senate ending Friday, March 5, 1999, I suggest the following schedule for individual faculties. This schedule would enable any eligible faculty members who wished to do so to run as a candidate in all of the elections involving faculty members at-large.
3. For elections conducted by the Registrar's Office, results shall be released on Televote and on the Elections home page on the World Wide Web.
4. The election schedule shall be as follows:

Faculty of Graduate Studies	
Call for nominations	Friday, October 9, 1998
Close of nominations	Friday, October 30, 1998
Last day of voting	Friday, December 4, 1998

Call for nominations	Friday, October 9, 1998
Close of nominations	Friday, October 30, 1998
Last day of voting	Friday, December 4, 1998

Other faculties requiring an election by ballot	
Call for nominations	Friday, November 13, 1998
Close of nominations	Friday, December 4, 1998
Last day of voting	Friday, January 22, 1999

Call for nominations	Friday, November 13, 1998
Close of nominations	Friday, December 4, 1998
Last day of voting	Friday, January 22, 1999

5. Replacement procedures. Nomination and election shall be conducted in accordance with established faculty procedures. Where such established procedures do not exist then nominations shall be called for either before or on the floor of a meeting of the faculty concerned and voting shall be either by show of hands or by balloting at the meeting. It was agreed that the Registrar's Office would not be involved. (Approved by Senate, April 21, 1976.) Faculties who want to have runners-up used as replacements in the event of a vacancy during the three-year term will be asked to advise the Registrar so that this may be stated clearly on the call for nominations. Faculties will be asked to advise the Registrar of their decisions.

Election of a representative of the full-time professional librarians

The Registrar shall conduct the election.

Each candidate shall be nominated in writing, the nominations to be signed by three professional librarians employed by the University who have been employed in that capacity for a period of four months or longer, and by the nominee indicating willingness to run for election.

The election schedule shall be as follows:

Full-time professional librarian	
Call for nominations	Friday, January 8, 1999
Close of nominations	Friday, January 29, 1999
Last day of voting	Friday, February 26, 1999

General Provisions

A. Eligibility

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

Any faculty member who has been granted leave extending for more than six months from the time at which Senate membership would commence (September 1, 1996) or who is on disability leave at the close of nominations shall not be eligible to stand for election to Senate. (Approved by Senate, November 18, 1981)

B. Nominations

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

C. Results

Results will be counted by Televote and released through Televote and on the Elections home page on the World Wide Web.

D. Terms of office (three years)

Unless otherwise determined by the Board of Governors, the Chancellor shall take office on June 25, 1999 and the installation ceremony will take place during the Spring Congregation ceremonies in May 1999.

All other members of the Board of Governors will take office on February 1, 1999.

All other members of Senate will take office on September 1, 1999.

E. Leaves of absence

The position of an elected faculty member shall be declared vacant by the Secretary of Senate when he has received notice that the member has resigned, or that the member is going on leave for a period of more than six months, or that the member has been granted disability leave. (Approved by Senate, November 18, 1981)

Any elected member of Senate may be granted leave of absence for up to five consecutive ordinary meetings of Senate. Any absence without leave for more than five consecutive ordinary meetings of Senate shall result in a declaration of vacancy by the Secretary of Senate. (Approved by Senate, November 18, 1981)

Dr. Spencer made an amendment to the statement “voting shall be conducted by Televote” explaining that it should include the phrase “members of Convocation living outside Canada and the United States will have the option of mailing a paper ballot.”

Dr. Gilbert
Dr. Harrison

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That the proposal for triennial elections of representatives to the Board of Governors and the Senate be approved as amended.

Mr. Lau expressed concern about the circulation of the Chronicle to all alumni members.

Dr. Spencer said he would make sure that full circulation takes place.

The motion was
put and carried.

Proposal to establish the Institute of Aboriginal Health

Vice President McBride spoke in support of the proposal, stating that it represents an enormous amount of work through extensive consultation by a large number of people,

both in the UBC and Aboriginal communities. Vice President McBride made the following comments:

The proposed Institute for Aboriginal Health will be a partnership between the First Nations House of Learning and the Office of the Coordinator of Health Sciences in response to recommendations made in the Royal Commission on Aboriginal Peoples, and the Canadian Forum on Health.

The National Forum on Health envisioned an Institute for Aboriginal Health that would specifically address issues affecting the health of all Aboriginal peoples through comprehensive university-based education. The Institute would at the same time be an important mechanism to bring these issues, and education, to the forefront and be an advocate for change.

It is envisioned that the proposed Institute will be one node in a regional network of such institutes; it will serve to develop a support network for Aboriginal health workers in communities; it will perform and advocate an evidence-based approach in health research to meet the needs of Aboriginal peoples for improved information; and it will assist in sharing of information within and outside of Aboriginal communities.

The proposed Institute has the interest and support of faculty and students in health science programs at UBC through the Health Sciences Coordinating Committee, and strong support from the First Nations community. It will be truly interdisciplinary in content and approach.

Dr. McBride
Dr. Gilbert

}

That Senate approve and recommend to the Board of Governors, the establishment of the Institute for Aboriginal Health.

Carried.

Admissions Committee

Dr. Harrison, chair of the committee, presented the following reports.

PROPOSED REVISION OF ADMISSION PROCEDURES FOR APPLICANTS WHO CANNOT COMPLETE ALL THE COURSES REQUIRED

Proposed Calendar Entry:

(replaces paragraph in 1998/99 Calendar, p. 34, "Applicants who ... school concerned")

"Applicants who because of administrative difficulties in their school or because they have physical, sensory or specific learning disability cannot present the courses as required may be excused a specific admissions course requirement. Supporting documentation sent by the principal of the school concerned is required."

Dr. Harrison explained that the purpose of the amendment is to clarify for students the ease with which they can enter UBC with the right documentation, rather than through an appeals procedure.

Dr. Harrison
Dr. Berger

}

That the proposed revision to the admissions procedures for applicants who cannot complete all the courses required be adopted by Senate.

Carried.

PROPOSED REVISION OF THE CONCURRENT ENROLMENT POLICY

Proposed Calendar Entry:

(replaces "Students who are enrolled ... for transfer credit" on 1998/99 Calendar, p. 34, column 2 - changes in italics):

Students who are enrolled in a BC secondary school may be admitted to the University to pursue Concurrent Studies. The following conditions will apply at The University of British Columbia:

- The applicant must have a superior academic record.
- The applicant must be enrolled *in a BC secondary school* in a program that meets regular UBC entry requirements.
- The applicant must have the written recommendation of the secondary school principal.
- The applicant must have the written consent of the parent or legal guardian if under the legal age of majority on the opening day of classes.
- The applicant must have the support of the Dean of the Faculty for the courses in which the applicant plans to enroll.

Admission will initially be for one academic session but may be renewed with the continued support of the school principal and the Faculty Dean. Normally no more than 12 credits may be obtained by Concurrent Studies but students who continue to have superior academic records and the support of their school principal may seek permission from the appropriate Dean to enroll in further courses.

Students in Concurrent Studies will be treated as regular students in most respects except that they may not register in a full range of courses. Standard transcripts will be issued and fees and deadlines will be as for regular students.

Students who have enrolled in Concurrent Studies at other recognized post-secondary institutions prior to secondary school graduation may also be eligible for transfer credit.

Dr. Harrison explained that the proposal is a response to a report regarding exceptional students in the Transition Program. The purpose of the policy is to clarify the admission requirements.

<i>Dr. Harrison</i>	}	<i>That the proposed revision to the Calendar statement on Concurrent Enrolment Policy be approved.</i>
<i>Dr. Berger</i>		

Carried.

FACULTY OF EDUCATION - EQUITY STATEMENT

The committee recommended approval of the following Calendar statement on equity:

Proposed Calendar Entry:

The Faculty admits students on the basis of merit and is committed to representation in the student population of First Nations, visible minorities, and persons with disabilities. All qualified applicants are encouraged to apply.

<i>Dr. Harrison</i>	}	<i>That the proposed equity statement be approved.</i>
<i>Dr. Berger</i>		

Dr. Benbasat asked why the proposed wording is more specific than the Faculty's more general mission statement, and Mr. Liu inquired if there was a specific reason for targeting the groups named in the proposal. Dr. Harrison

commented that the proposed wording is in line with the specific stated goals elsewhere in the Calendar under groups who are being encouraged to take part in the University but who have not traditionally done so.

The motion was
put and carried.

FACULTY OF GRADUATE STUDIES - ADMISSION REQUIREMENTS FOR THE M.SC. AND PH.D. IN ATMOSPHERIC SCIENCE

The committee recommended approval of the following Calendar statement:

Students must satisfy the admission requirements of the Faculty of Graduate Studies and will normally have completed studies in physical science, mathematics, or engineering (e.g., atmospheric science, oceanography, physics, chemistry, mathematics, computer science, physical geography, soil science, environmental sciences or engineering, or applied science).

Dr. Harrison

Dr. Berger

}

*That the admissions procedures of the Ph.D.
and M.Sc. in the Atmospheric Program be
approved.*

Carried.

Budget Committee

Dr. Williams, chair of the committee, presented the following report, which had been circulated for information:

This year the President has established a new time line, aimed at preparing an Operating Budget for the start of the fiscal year. The Senate Budget Committee (SBC) is fully supportive of this initiative and has met on twelve occasions to date to participate in detail in this process.

While the major preoccupation of the Committee has been with the GPOF Budget, presentations on their portfolios by the various Vice-Presidents have been of their total budgets. In particular, five-year plans have been presented for Ancillaries. The Committee has also received reports on the

International Student Enrolments, and Projected Enrolments for the 1998/99 year. The Vice-President, Academic has presented a set of principles to guide the budget adjustments within this portfolio.

The challenge facing the University is to deal with the serious immediate financial problem without compromising the future initiatives that may arise from the visioning process. The Committee strongly supports the multi-year proposal, which seeks to achieve this goal. Indeed, a move toward multi-year budgeting was recommended by last year's SBC.

On a more detailed level, the Committee notes that the accrual method of accounting has demonstrated the University's vulnerability with respect to future capital costs for Utilities; the Committee greets with approval the one-time contribution from the Ancillaries to help address the current year's deficit; the Committee notes the elimination of GPOF funding to the Development Office together with a plan to raise endowment funding to reduce the dependence of scholarship funds on GPOF sources. The Committee notes that the Library Acquisitions budget has been increased in accordance with the Budget Guidelines, but that cuts will nevertheless be required to journal subscriptions. The Committee also heard a request from the Vice-President, Research for a modest budget increase, which may be of strategic importance, but which must nonetheless be deferred for future consideration. While the committee remains concerned about the unavoidable negative effects of the proposed Budget on academic programs and services, it believes that all reasonable efforts have been made to deal with the financial shortfall.

In conclusion, the Senate Budget Committee recommends approval of the Budget proposal, which it believes deals responsibly with the current situation and positions the University to move strategically forward in the future. The Committee looks forward to an opportunity to hear from the President and the Vice-President, Academic regarding its detailed implementation later this Spring.

Dr. Williams stated that the President had presented the report to the Board of Governors. He said that a fuller report will be brought to Senate in the fall.

Continuing Studies

Dr. Vanderstoep, chair of the committee, spoke briefly to the report on the Review of Continuing Education at UBC, which had been circulated for information.

Dr. Vanderstoep stated that the report covers a broad range of extremely important continuing education activities, including the credit and non-credit division of Continuing Studies and the Continuing Professional Programs that exist in eight Faculties in addition to the division of Continuing Education Health Sciences.

Mr. Zuniga asked what is involved in the Intercultural Studies Certificate Program. Dr. Uegama described the program as one which was established to provide a broader and more general exposure to general issues of intercultural communications. Components of this and other tailored programs are offered to a whole range of other cohorts, including, for example, more sophisticated users of information, such as Korean business executives who took programs in management development through the Faculty of Commerce and Business Administration as well as intercultural communication skills programs from continuing studies units. Dr. Uegama stated that a variety of professionals in the field have worked with the Centre staff to develop these modules.

Curriculum Committee

See Appendix B.

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

FACULTY OF ARTS

The committee recommended approval of curriculum proposals from the Faculty of Arts, subject to the following:

- Arts B.A., Minor Program Requirements - change second sentence to read: Students are encouraged to consult an adviser in their Faculty and see a Departmental Adviser in Arts, preferably before taking the necessary courses.

- Minor in Science - amend the second sentence by adding the word "recognized" after the word courses, and add the following to the end of the description: "These restrictions apply: B.A. Geography majors may not minor in any of the following disciplines: Geography, Geology, Geophysics, or Oceanography. B.A. Mathematics majors may not minor in B.Sc. Mathematics. B.A. Psychology majors may not minor in B.Sc. Psychology."
- GEOG 311 - amend the statement of pre- or co-requisites to read: Six credits from among GEOG 101, 102, 103, 200, 204, 205 or 207.
- GEOG 411 - amend the statement of pre- or co-requisites to read: Third or fourth year standing and 6 credits from among GEOG 101, 102, 103, 200, 204, 205 or 207. Delete the following words from the description: "and how these developments have been understood.", and the words "using case studies". The hours should read: (1-0-2).
- RUSS 408 - change 1917 to read 1918.
- SPAN 220 - change title to read: Introduction to Methods of Hispanic Literary Analysis. Delete from the description the words "Basic techniques of literary analysis through the " and insert the word "A" before "study".
- SPAN 356 - insert the word "Spanish" after "Peninsular" in the title.
- SPAN 430 - insert the word "Spanish" after "Peninsular" in the title.

Dr. Berger

Dean Neuman

}

*That the curriculum proposals from the
Faculty of Arts be approved.*

Dean Neuman drew attention to the committee's recommendation to change the title of RUSS 408 from "Studies in Russian Prose before 1917" to "Studies in Russian Prose before 1918" stating that the original wording reflected the department's intent and that the committee's proposed change did not. Dr. Berger agreed that the title should read: "Studies in Russian Prose before 1917".

Dean Neuman also questioned the proposed changes to SPAN 220 stating that from a student's point of view the title and the description are going to look at odds with one another. Dr. Berger stated that the committee would reconsider the matter.

Mr. Zuniga asked whether enrolment in Spanish courses had increased. Dean Neuman replied that enrolment in first and second year languages in Spanish had increased slightly in the last two years, and that enrolment in senior level courses is stable. Mr. Zuniga then asked if that was the case, why were Spanish courses being cut. Dean Neuman responded that this consolidation of the curriculum is in response to an external review report which pointed out that while enrolments were going up in lower level Spanish courses, and remaining stable in senior courses, enrolments were actually quite small in the senior courses, and that a decline in faculty numbers had led to a situation in which there were numbers of courses on the books which in fact were not being offered on a regular basis because there was no faculty to cover them, and no money to hire part-time faculty.

The motion was
put and carried.

FACULTY OF GRADUATE STUDIES

The committee recommended approval of curriculum proposals from the Faculty of Graduate Studies, subject to the following:

- EPSE 524 - the title is changing from Practicum in Speech Development with Deaf and Hard of Hearing Students to Practicum in Speech and English Language Development with Deaf and Hard of Hearing Students, not the other way round as shown in the Faculty's proposal.
- FRST 590 and 592 - consultation with Civil Engineering requested.
- FRST 551 - add "Pass/Fail" to description.
- ANAT 516 - change "CNS" to "Central Nervous System"
- Family Studies - FRST should read FMST.

- CHML 568 - modify description
- CIVL 536 - change title to "Plasticity "
- CIVL 539 - modify description
- CIVL 535 - change title to "Elasticity" and modify description
- MECH 568 - delete "Similar to CIVL 536 "
- CPSC 548 - delete "Advanced" from title
- MATH 599 - add "Pass/Fail"

Dr. Berger reported that approval of FRST 592 was being withheld pending satisfactory consultations between the Faculty of Forestry and the Department of Civil Engineering.

<i>Dr. Berger</i>	}	<i>That the curriculum proposals from the Faculty of Graduate Studies be approved, with the exception of FRST 592.</i>
<i>Dr. Gilbert</i>		

Carried.

FACULTY OF PHARMACEUTICAL SCIENCES

The committee recommended approval of curriculum proposals for the Faculty of Pharmaceutical Sciences subject to the following:

- PHAR 300 - change vector to (2-3-0*;2-3-0*)
- PHAR 469 - modify description to read: "A 160 hour pharmacy practice clerkship."

<i>Dr. Berger</i>	}	<i>That the curriculum proposals from the Faculty of Pharmaceutical Sciences be approved.</i>
<i>Dr. Gilbert</i>		

Carried.

Liaison with Post-Secondary Institutions

Dr. Uegama presented the report of the Committee on Liaison with Post-Secondary Institutions which had been circulated for information. He stated that the committee is searching for a new mandate, having been inactive for the past several years. A member of the committee undertook a survey to assess the liaison activity between UBC academic units and the equivalent of other units in the post-secondary system in British Columbia. It was discovered that the vast majority of academic items are covered generally by other mechanisms for articulation. The committee proposes that it will seek meetings with other committees of Senate, and with corresponding liaison committees at other B.C. universities and colleges. The committee will also undertake a survey of the post-secondary institutions regarding the success of their liaison activities. Dr. Uegama hopes the Committee will be prepared to report further progress in the fall.

Library Committee

Dr. Gilbert, chair of the committee, presented the following report which had been circulated for information:

The Senate Library Committee's report is brought for information. However, I should like to draw Senate's attention to a matter of deep and serious concern, referred to on page 2 under "The Collections" and "The Future of Serials."

The acquisitions budget is seriously compromised by ever-increasing prices for library materials. It is anticipated that our stabilization fund will be spent by next year, and that in 1999-2000 the collections budget shortfall will be approximately \$750,000. Because the Library needs approximately one year's lead time to effect savings through serials collections, and because consultation and review of serials subscriptions with faculty must occur, the Library will this Fall begin to address the shortfall by asking faculty members to delete a further 1,500-2,000 subscriptions from the collection.

It is important to note that between 1992 and 1998 the Library reduced its serials holdings in all areas by approximately 5,400 subscriptions, a total value of approximately \$1.4 million.

The very severe problems confronting the university libraries of the world have been addressed in a number of different forums, most recently in an article in the Vancouver Sun. It is clear that the matter of serials subscriptions is one which now falls beyond the scope of the Library and has become a major problem for each faculty member. The widespread and increasingly used benchmark of published articles for decisions concerning promotion and tenure has driven an industry now controlled worldwide by essentially three major publishing companies. The Senate Library Committee has discussed the enormous implications for scholarship associated with what is in essence a monopoly on the publication of the works of the academic. It is clear that giving away the copyright to our work has fed a system which now we have very little possibility of controlling, without strenuous national and international efforts. A number of different possible mechanisms for softening the impact of serials cancellations are being considered and discussed by library staff. Regardless of such discussions the long-term consequences of an ever-decreasing serials collection are now starkly evident.

A recent report co-sponsored by the Association of Research Libraries, the Association of American Universities and the Pew Higher Education Roundtable, has addressed this critical issue and recommended collective action on the part of the universities, libraries, scholarly and disciplinary organizations and granting agencies. The Senate Library Committee essentially agrees with the assessment of the serials crisis contained in that report and its conclusion on this critically important matter:

It is time for presidents of the nation's major research universities to fish or cut bait.

Dean Binkley asked whether there is any measure of the impact on the scholarly activity at UBC of losing serial subscriptions. Dr. Gilbert responded that faculty members are going outside the institution for material in increasing numbers. He also noted that that there is now a huge reliance on electronic abstracts as an instrument of research since there are very few full text journals on line.

Ms. Quinlan, the UBC Librarian, supported Dr. Gilbert's observation that interlending activity is frequent, but added that the library system has never been able to

fully support the needs of conducting research and teaching activities at UBC. Dean Binkley asked if the breakeven point has been found for document delivery vs. journal subscriptions. Ms. Quinlan said that it has, and that in some cases there is more than one subscription to a journal where high usage justifies it. Ms. Quinlan was optimistic that the current crisis would actually create some efficiencies in the system, and some innovative options, but she recognized that budget cuts are threatening collections in some areas.

Nominating Committee

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

STUDENT MEMBERSHIP ON SENATE COMMITTEES

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

Academic Building Needs:

Mr. Ron Morin - replacing Mr. B. Murphy
Ms. Karen Sonik - replacing Mr. J. Nobbs-Thiessen

Academic Policy:

Mr. Antonie Zuniga - replacing Ms. S. Lerchs
Mr. Adrian Mitchell - replacing Mr. B. Murphy

Admissions:

Mr. James Keng - replacing Mr. A. Chui
Mr. Ben Liu - replacing Mr. T. Au Yeung

Agenda:

Mr. Jordan Ko - replacing Mr. J. Nobbs-Thiessen
Mr. Vighen Pacradouni - continuing member

Appeals on Academic Standing:

Ms. Anureet Cheema - replacing Mr. A. Kwong
Mr. James Keng - continuing member
Mr. Ben Liu - replacing Mr. J. Nobbs-Thiessen

Budget:

Mr. Ben Liu - replacing Mr. S. Mui
Mr. Vighen Pacradouni - continuing member

Continuing Studies:

Anureet Cheema - replacing Ms. E. Lai
Mr. Jordan Ko - replacing Mr. S. Lohachitranont

Curriculum:

Ms. Anureet Cheema - replacing Ms. G. Lau
Mr. Winson Cheung - replacing Mr. S. Lohachitranont
Mr. Alex Chui - replacing Mr. B. Murphy
Mr. Jordan Ko - replacing Ms. N. Sonik

Elections:

Ms. Lica Chui - continuing member

Liaison with Post-Secondary Institutions:

Mr. Mark Beese - replacing Mr. A. Kwong

Library:

Mr. Michael Edwards - replacing Ms. E. Lai
Mr. Christopher L. Gorman - continuing member
Mr. Ron Morin - replacing Ms. N. Sonik

Student Appeals on Academic Discipline:

Mr. Chris L. Gorman - continuing member
Mr. James Keng - continuing member
Mr. Ron Morin - replacing Ms. S. Lerchs

Student Awards:

Mr. James Kondopulos - replacing Mr. S. Mui
Mr. Antonie Zuniga - replacing Mr. T. Au Yeung

Tributes:

Ms. Lica Chui - continuing member
Mr. Christopher L. Gorman - replacing Ms. N. Sonik

<i>Dr. Williams</i>	}	<i>That the recommendations of the Nominating Committee to fill student vacancies on Senate Committees be approved.</i>
<i>Mr. Gorman</i>		

Carried.

FACULTY VACANCY ON THE STUDENT AWARDS COMMITTEE

The Nominating Committee nominates the following to fill a faculty vacancy on the Student Awards Committee:

- Dr. Sally Thorne - replacing Dr. B. C. McBride

<i>Dr. Williams</i>	}	<i>That the recommendation of the Nominating Committee be approved.</i>
<i>Dean Granot</i>		

Carried.

AD HOC COMMITTEE ON AFFILIATION OF CAREY THEOLOGICAL COLLEGE

At its meeting of April 15, 1998, Senate agreed to the establishment of an *ad hoc* committee to consider a request from Carey Theological College for affiliation with UBC.

The Nominating Committee nominates the following:

- Dean Joost Blom
- Dr. R. Cole Harris (non-member of Senate)
- Mr. William McMichael
- Dr. Paul G. Mosca (non-member of Senate)
- Ms. Catherine Quinlan
- Dr. Mark Thompson

<i>Dr. Williams</i>	}	<i>That the recommendations of the Nominating Committee be approved.</i>
<i>Dr. Slonecker</i>		

Carried.

SENATE REPRESENTATIVES TO SERVE ON A PRESIDENTIAL ADVISORY COMMITTEE ON THE SELECTION OF A REGISTRAR

The following procedure for the recommendation and selection of a Registrar was established by the Board of Governors on April 30, 1979, and ratified by Senate on May 23, 1979:

Function:

1. To consider candidates for Registrar.
2. To advise the President on the choice of a Registrar in order that the President may make an appropriate recommendation to the Board of Governors.

Membership:

To be composed as follows:

- Chair - President or designate
- Secretary - To be chosen by the committee from its members
- Members - Chair plus three members appointed by the President (including one Dean), and three members elected by Senate (including one student)

The Nominating Committee nominates the following three members of Senate to serve on a Presidential Advisory Committee on the selection of a Registrar:

- Mr. Mark Beese (student) - Faculty of Forestry
- Dr. George W. Bluman - Faculty of Science
- Dean Shirley Neuman - Faculty of Arts

<i>Dr. Williams</i>	}	<i>That the recommendations of the Nominating Committee be approved.</i>
<i>Dr. Harrison</i>		

Carried.

VICE CHAIR OF SENATE

Section 37 (1) of the University Act states that Senate shall elect a Vice Chair at least annually, who is to chair meetings in the absence of the President, and section 37 (2) states that a Vice Chair elected under subsection (1) (a) must not serve more than 2 consecutive terms.

The Nominating Committee nominates Professor Peter Burns for the position of Vice Chair for the 1998-99 session.

<i>Dr. Williams</i>	}	<i>That the recommendation of the Nominating Committee be approved.</i>
<i>Dean Granot</i>		

Carried.

TRIENNIAL REVIEW OF TERMS OF REFERENCE OF SENATE COMMITTEES

On October 20, 1993, Senate approved a recommendation that the terms of reference of Senate committees should be reviewed by the Nominating Committee during the third year of each Senate.

On February 2, 1998, the Nominating Committee invited Chairs of standing committees to review their terms of reference and to advise the committee of any proposed modifications.

The following responses were received from the Academic Policy Committee, the Admissions Committee, and the Elections Committee:

Senate Academic Policy Committee

The members of the Senate Academic Policy Committee have agreed to recommend that the quorum for this committee be reduced from 9 to 7.

Senate Admissions Committee

The Senate Admissions Committee recommends the addition of clause (d) below to its terms of reference:

- (d) To consider and review University and Faculty enrolments of new and continuing students.

Senate Elections Committee

Revised terms of reference:

1. To hear and dispose of appeals on election irregularities. In disposing of an appeal, the Committee has the power:

- a. to disqualify a candidate found to have committed election irregularities,
 - b. to invalidate an election and call a new election, and
 - c. to disqualify a candidate from participating in a new election if one should be called by the Committee.
2. To consider and review Senate election regulations, and to make recommendations to Senate.

Quorum:

The Elections Committee has decided that it should have a quorum of four members.

<i>Dr. Williams</i>	}	<i>That the revised terms of reference for the Admissions Committee and the Elections Committee, and the quorum changes for the Academic Policy Committee and the Elections Committee be approved.</i>
<i>Dr. Uegama</i>		

In response to a query by Dean Isaacson, Dr. Williams confirmed that the Nominating Committee would consider further recommendations for changes to the terms of reference of Senate Committees.

The motion was
put and carried.

Student Awards

See Appendix B.

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 Granot</i>		

Dr. Bluman drew attention to the Li Tze Fong Memorial Scholarships, created by an act of generosity by Li Fook Tai to honour his father, Li Tze Fong. Dr. Bluman stated that Li Fook Tai's son is a doctor at the University Hospital, his daughter is on the staff at UBC, and his grandson is in the Faculty of Pharmaceutical Sciences, and has been a scholarship recipient. The Scholarships come in the form of a \$1.5 million gift, matched by the Hampton Place Fund, for a total of \$3 million.

The motion was
put and carried.

Faculty of Science

Dean Measday presented a proposal to formally recognize CORD, the Collaboration on Repair Discoveries, as the academic research group of The University of British Columbia dedicated to address the challenges of spinal cord injuries. The Centre takes an interdisciplinary approach, including representation from biomedical science, clinical health care and the community. CORD is supported by the Faculties of Science, Medicine and Applied Science, the Rick Hansen Institute, and the Vancouver Hospital and Health Sciences Centre.

Dean Measday
Dr. Berger

}

*That Senate recognize the Collaboration on
Repair Discoveries as a unit of The University
of British Columbia*

Dean Measday said that the Collaboration has been working successfully for a number of years without formal recognition. The Faculty of Science approved it 3 years ago, but its introduction to Senate was delayed by a proposal to integrate CORD into a larger institute, the Brain and Spinal Cord Research Centre. It has since been decided to leave the two entities distinctly separate, and instead to encourage inter-faculty collaborations across the two institutions and with external research agencies.

Other business

Dean Isaacson questioned whether there was any particular advantage to distinguishing the unit as a group rather than an institute or program or any other governance structure. Dean Measday explained that in its present form the group can receive significant funding from the Neurotrauma Fund at the Rick Hansen Institute. Also, the group designation will make it possible to include a variety of Deans, rather than having a simple reporting structure to a single Dean.

The motion was
put and carried.

Other business

There being no other business, the President reminded the assembly that this was the last meeting of the 1997/98 academic year. She thanked senators for contributing to a fulfilling and exciting past several months since her arrival.

Adjournment

The meeting adjourned at 10:20 p.m.

Next meeting

The next regular meeting of Senate will be held on Wednesday, September 16, 1998.

Appendix A

COURSE AND CURRICULUM PROPOSALS

Faculty of Arts

Change: to Minor Program Requirements

Add: Minor in Commerce
Minor in Science

GEOGRAPHY

Change: GEOG 417 - change description, prerequisites and number, now
GEOG 311

New Course: GEOG 411 (3) Environment and Empire

HISPANIC, ITALIAN AND SLAVONIC STUDIES

Changes: Minor in Russian: requirements in First, Second, Third and Fourth
Years
RUSS 306 - change description
RUSS 408 - change title and description
RUSS 409 - change title and description
RUSS 410 - change title and description
RUSS 411 - split into two, now:
 RUSS 411 (3) Tolstoy in Translation and
 RUSS 412 (3) Dostoevsky in Translation
SLAV 307 - change title and description
SPAN 220 - change credits and hours
SPAN 230 - change number to SPAN 320, credits and hours
SPAN 312 - change in credits and hours
SPAN 403 - change credits, description and hours
SPAN 407 - change number to SPAN 450, credits, title, description
and hours
SPAN 427 - change number to SPAN 410, credits, title, description
and hours
SPAN 449 - change credits
SPAN 355 and SPAN 435 - consolidate into one, now:
 SPAN 356 (6) Survey of Peninsular Spanish Literature
SPAN 457 and SPAN 458 - consolidate into one, now:
 SPAN 430 (3) Peninsular Spanish Literature of the Eighteenth-,
Nineteenth- and Twentieth Centuries
SPAN 436, 437 and 438 - consolidate into one, now:
 SPAN 420 (3/6)d Golden-Age Literature
SPAN 464, 467 and 468 - consolidate into two, now:
 SPAN 470 (3) Selected Topics in Spanish-American Colonial and
Nineteenth-Century Literature and
 SPAN 490 (3) Selected Topics in Spanish-American Colonial and
Twentieth-Century Literature

New: SPAN 401 (3) Advanced Translation: Spanish-English
SPAN 404 (3) Topics in Hispanic Cinema
SPAN 405 (3) Topics in Peninsular and Latin-American Culture
SPAN 406 (3) Women in Hispanic Literature and Culture

Deletions: RUSS 449
SPAN 230, 435, 436, 437, 438, 444, 457, 458, 464

THEATRE, FILM & CREATIVE WRITING

Change: THTR 150, 160 - change description and prerequisite
THTR 410 - change title, description, prerequisite and hours

Faculty of Graduate Studies

ANATOMY

New: ANAT 511 (3) Fundamentals of bodyDesign: Basic principles in human anatomy as illustrated by the organization of the back and upper limbs
ANAT 512 (3) Functional Human Anatomy of Head and Neck Systems
ANAT 513 (3) Functional Human Anatomy of the Respiratory, Cardiovascular and Gastrointestinal Systems of the Thorax and Abdomen
ANAT 514 (3) Functional Human Anatomy of the Urogenital Systems: Pelvis and Perineum
ANAT 515 (3) Functional Human Anatomy of the Musculoskeletal Systems: Back, Limbs and Joints
ANAT 516 (3) Functional Human Neuroanatomy: Central Nervous Systems
ANAT 517 (3) Functional Human Microscopic Anatomy: Basic Tissues, Organs and Systems
ANAT 590 (6) Introduction to Functional Human Anatomy: Survey of microscopic anatomy, neuroanatomy and gross anatomy

ANTHROPOLOGY AND SOCIOLOGY

New: ANTH 519 (3/6)d Seminar in Medical Anthropology

ASIAN STUDIES

New: ASIA 582 (3-12)d History and Structure of the Korean Language
ASIA 583 (3-12)d Topics in Modern Korean Literature
ASIA 584 (3-12)d Topics in Traditional Korean Literature

ATMOSPHERIC SCIENCE

Change: 1997/98 Calendar, Graduate Studies, Atmospheric Science: delete statement with headers and replace with new program description for the Doctor of Philosophy and Master of Science.

BIOLOGY

New: BIOL 509 (3) Population and Quantitative Genetics
BIOL 510 (3) Applied Population Genetics

BOTANY

New: BOTA 525 (3) Current Topics in Plant Ecology

CIVIL ENGINEERING

New: CHML 568 (3) Mixing Operations in Chemical Processing
CIVL 536 (3) Plasticity
CIVL 539 (3) Advanced Theory of Structure

Delete: CIVL 502, 529, 531, 533

Change: CIVL 507, 508 - change description
CIVL 535 (3) - change description and change title to "Elasticity"
CIVL 537 (3) - change title and description
CIVL 538 (3) - change title and description, add prerequisite

COMPUTER SCIENCE

New: CPSC 507 (3) Software Engineering
CPSC 524 (3) Computer Graphics: Modelling and Rendering
CPSC 526 (3) Computer Animation
CPSC 540 (3/6)c Topics in Software Engineering
CPSC 544 (3) Human-Computer Interaction
CPSC 548 (3) Directed Advanced Studies

Change: CPSC 514 (3) - change title and description

CURRICULUM STUDIES

New: CUST 580 (3-12)c Problems in Education
CUST 590 (3) Graduating Paper
CUST 598 (3-12)c Field Experiences
CUST 599 (6/12)c Master's Thesis

Change: CUST 601 (3/12) - split into two, now:
CUST 601 (3/6) Doctoral Seminar and
CUST 602 (3/6) Doctoral Seminar

Appendix A

New: PETE 508 (3-6)d Review of Research in Kinaesthetic Learning
PETE 545 (3) Movement across the Curriculum
PETE 565 (3/6)d Special Course in Subject Matter Field
PETE 580 (3/12)c Problems in Education
PETE 590 (3) Graduating Paper
PETE 598 (3/12)c Field Experience
PETE 599 (6/12)c Master's Thesis

EDUCATIONAL STUDIES

New: EADM 579 (3) School-Community Relations

EDUCATIONAL PSYCHOLOGY & SPECIAL EDUCATION

Change: EPSE 524 - change title and prerequisite

Deletion: EPSE 527

FORESTRY

New: FRST 535 (3) Applied Population Genetics
FRST 590 (3) Statistical Methods in Hydrology

Change: FRST 551 - change title, description, credits to (2), and grading
FRST 575 - change credits to (3)

HISPANIC, ITALIAN AND SLAVONIC STUDIES

New: SPAN 501 (3) Theoretical Approaches to Literature
SPAN 502 (3) Studies in Hispanic Feminisms
SPAN 504 (3) Studies in Hispanic Cinema
SPAN 505 (3) Studies in Peninsular and Latin-American Culture

Change: SPAN 529 and 536 - consolidate into one, now:
SPAN 520 (3) Golden-Age Literature
SPAN 550, 553 and 557 - consolidate into one, now:
SPAN 530 (3) Peninsular Literature of the Eighteenth-,
Nineteenth- and Twentieth Centuries
SPAN 564 - split into two, now:
SPAN 570 (3) Spanish-American Colonial Literature and
SPAN 580 (3) Nineteenth-Century Spanish-American Literature
SPAN 549 - change credits to (6)
SPAN 567 - change number to SPAN 590, credits to (3), title and
description
SPAN 550 - change credits to (3), title and description

Deletions: SPAN 507, 508, 529, 530, 543, 544, 551, 553, 554, 557, 558, 591

HUMAN NUTRITION AND FAMILY STUDIES

Change: M.Sc. and Ph.D. in Human Nutrition - change program description

FAMILY STUDIES

Change: change to Master Level Program in Family Studies FMST 549 (6) Thesis

Deletions: HUNU 511, 513, 515, 517, 521, 523, 525

New: HUNU 503 (3) Current Issues in Nutrition and Metabolism
HUNU 505 (3) Current Issues in Nutrition and Disease
HUNU 507 (3) Current Issues in Nutrition Over the Life Span
HUNU 509 (3) Behavioural Aspects of Human Nutrition

MATHEMATICS

Change: MATH 550, 551 - change description
MATH 552 (3) - delete description and change prerequisite

New: MATH 599 (1) Mathematics Teaching Techniques (Pass/Fail)

MECHANICAL ENGINEERING

Change: MECH 561 - change description
MECH 568 - change description, and change credits to (3)

SOCIAL WORK

New: SOWK 547 (3) Social Work Practice in the Field of Aging

Change: Master of Social Work - change program requirements

Faculty of Pharmaceutical Sciences

Change: PHAR 469 - change in prerequisites and credits to (3)
PHAR 300 - change title, hours, description and credits to (4)
Bachelor of Science in Pharmacy Year 3 - remove PHAR 351 as prerequisite

Deletion: PHAR 351

Appendix B

AWARDS RECOMMENDED TO SENATE COMMITTEE

Michael AMES Scholarship in Museum Studies - A scholarship of \$945 has been endowed by the volunteers of the Museum of Anthropology Shop and friends in honour of Dr. Michael Ames, Director of the Museum from 1974 to 1997. The award is offered to a student in Museum Studies on the recommendation of the Department of Anthropology & Sociology, in consultation with the Museum of Anthropology. In the case of a graduate student, the award is also made in consultation with the Faculty of Graduate Studies. (Available 98W Session)

BISCO Dental Products (Canada) Inc. Award in Dentistry - Awards totalling \$6,000 are offered by Bisco Dental Products (Canada) Inc. to students in Dentistry. A \$3,000 award is offered to a graduate student demonstrating innovative research ability and personal leadership skill. A \$2,000 award is offered to a fourth year undergraduate student and a \$1,000 award to a third year undergraduate student, each of whom is in good academic standing and demonstrates leadership skill. Preference is given to students who demonstrate an interest in research and/or clinical materials. The awards are made on the recommendation of the Faculty of Dentistry, and in the case of graduate students, in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Joseph CRUMB Memorial Scholarship in Commerce and Business Administration - Scholarships totalling \$4,200 have been endowed through a bequest by Harriet B. Crumb. The awards are offered to graduate students in Commerce and Business Administration and are made on the recommendation of the Faculty in consultation with the Faculty of Graduate Studies. (Available 98W Session)

DEANS Knight Capital Management Ltd. Award - A \$2,000 award is offered by Deans Knight Capital Management Ltd. for a student entering third year in the Faculty of Commerce and Business Administration in the Portfolio Management Foundation program who has demonstrated leadership ability. The award is made on the recommendation of the Faculty in consultation with the UBC Portfolio Management Foundation and is renewable for a second year. (Available 98W Session)

Indrajit and Manjula DESAI Prize in Human Nutrition - A \$500 prize is offered by Dr. Indrajit Desai, Professor Emeritus and Mrs. Manjula Desai. It is awarded to an outstanding student in the M.Sc. Human Nutrition program on the recommendation of the School of Family and Nutritional Sciences, in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Indrajit and Manjula DESAI Prize in Nutritional Sciences - A \$500 prize is offered by Dr. Indrajit Desai, Professor Emeritus and Mrs. Manjula Desai. It is awarded to an outstanding student in the B.Sc. Nutritional Sciences program on the recommendation of the School of Family and Nutritional Sciences. (Available 98W Session)

Theresa GALLOWAY Memorial Bursary in Law - A \$3,000 bursary has been endowed in memory of Theresa Galloway by her daughter Virginia Beirnes Waldock and is offered to a mature female student entering the Faculty of Law. (Partial funding available 98W Session)

Appendix B

GRADUATING Class of 1946 Entrance Scholarship - A \$1,000 scholarship has been endowed by members of the Class of 1946 on the occasion of their 50th anniversary. The award is offered to an outstanding student entering the University of British Columbia from secondary school. (Available 98W Session)

Cecelia GREEN Entrance Scholarship - A \$240 scholarship has been endowed through a bequest by Cecelia Elizabeth Green. The award is offered to a student entering the university from a secondary school in the Greater Victoria regional district with preference given to a student from Victoria Senior Secondary. (Available 98W Session)

GWYNNE-VAUGHAN Memorial Award in Medicine - Awards totalling \$25,000 have been endowed through a bequest by Adelaide Ann Vaughan Bateman in memory of her parents and are offered to promising and deserving students in Medicine. Consideration is given to achievement but also to personal qualities and character. (Available 98W Session)

HARGRAVE Bursary in Medicine - Bursaries totalling \$2,400 have been endowed by Dr. Hugh Hargrave, M.D., a graduate of the Faculty of Medicine at UBC. The bursaries are known as The Hargrave Bursaries and an equal amount is awarded annually to male and female students. (Available 98W Session)

Roy Francis HOOLEY Memorial Scholarship in Engineering - A \$900 scholarship has been endowed in honour of Professor Roy Hooley by his friends, former students and family. Dr. Hooley was an inspiring teacher and an outstanding engineer contributing to many of British Columbia's landmark engineering projects. The scholarship is offered to a student who shows outstanding ability and aptitude in structural engineering, evidenced by his/her studies in third year of Civil Engineering and the award is made on the recommendation of the Department. (Available 98W Session)

Rosa A.M. HUNTER Entrance Bursary - Bursaries totalling \$6,200 have been endowed through a bequest by Rosa Anna Marie Hunter for students entering the University. (Available 98W Session)

Amy M. HUTCHESON Scholarship in Library Services for Children - Two scholarships of \$5,000 each have been endowed through a bequest by Amy Hutcheson. The awards are offered to students entering the second year of the M.L.I.S. program specializing in children's librarianship and are made on the recommendation of the School of Library, Archival and Information Studies in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Verna J. KIRKNESS (Ni-jing-jada) Award - Awards totalling \$1,700 have been endowed by friends, colleagues and the University of British Columbia in honour of Dr. Verna J. Kirkness (Ni-jing-jada), the founding director of the First Nations House of Learning and the Ts'Qkel Graduate Studies Program. The awards are offered to students of First Nations ancestry in Education. Preference is given to students involved in academic projects or research that will advance the cause of Aboriginal education. The award is made on the recommendation of the Faculty of Education in consultation with the First Nations House of Learning and, in the case of graduate students, the Faculty of Graduate Studies. (Available 98W Session)

D.C. & H.L. KNIGGE Entrance Scholarship in Music - Scholarships totalling \$3,000 have been endowed by D.C. and H.L. Knigge for students entering Music. One award is offered to a student in keyboard. The awards are made on the recommendation of the Head of the School of Music and may be renewable. (Available 98W Session)

LI Tze Fong Memorial Fellowship - These awards have been endowed to the glory of God and in memory of Mr. Li Tze Fong by his son Li Fook Tai. The fellowships which carry a stipend of \$18,000 (subject to change) are open to outstanding graduates from any institution and country and are for full time study and research leading to a master or doctorate degree at the University of British Columbia. The fellowships are open to candidates in any field of study which is offered at the University. Candidates are selected from applicants for University Graduate Fellowships. Recipients will be known as Li Tze Fong Scholars. (Available 98W Session)

John Francis LIDSTONE Scholarship - A \$750 scholarship has been endowed through a bequest by John Francis Lidstone. The award is offered to students in Arts and Education and is made on the recommendation of the respective Faculty, beginning with Arts in 1998/1999. In the case of graduate students, the award is made in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Malcolm LOWRY Scholarship - Scholarships totalling \$4,000 have been endowed through the Priscilla Woolfan Testamentary Trust for promising writers. The awards are made on the recommendation of the Department of Theatre, Film and Creative Writing, and, in the case of graduate students, in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Stanley W. NASH Medal in Statistics - A medal and \$400 prize are offered in honour of Stanley W. Nash, Professor Emeritus of Mathematics, to the most outstanding graduating student in the B.Sc. program in Statistics. The award is made on the recommendation of the Head of the Department of Statistics. (Available 97W Session)

Ian T. OKABE Prize in Climatology - A \$300 prize has been endowed by Dr. Ian T. Okabe for a graduating student in the Honours program in Climatology and is made on the recommendation of the Department of Geography. (Partial funding available 97W Session).

Ameena PATEL Memorial Bursary in Medicine - A \$300 bursary has been endowed by Dr. H. Patel in memory of her mother Ameena Patel for a student in the Faculty of Medicine. (Available 98W Session)

Margaret PATTERSON Memorial Scholarship in Medicine - A \$500 scholarship has been endowed by Captain C.Y. Wu and Dr. C.H. Wu in memory of Margaret Patterson. The award is offered to a student exhibiting a special interest in the study and treatment of cancer and is made on the recommendation of the Department of Medicine. (Available 98W Session)

Appendix B

Robert ROGERS Prize in Piano - A \$300 prize has been endowed in honour of Professor Robert G. Rogers by Carol M. Jutte for an undergraduate student concentrating or majoring in piano performance. The award is offered for the best piano performance of twentieth century music and is made on the recommendation of the School of Music. (Available 98W Session)

John B. SERVICE Memorial Prize in Human Kinetics - A \$300 prize has been endowed by family and friends in memory of John B. Service. The award is offered to a student specializing in Health and Fitness and is made on the recommendation of the School of Human Kinetics and, in the case of graduate students, in consultation with the Faculty of Graduate Studies. (Available 98W Session)

SEVERNIAN Scholarship in Community and Regional Planning - A \$1,500 scholarship is offered by Paul Moritz and the School of Community and Regional Planning. It is awarded to the student in Community and Regional Planning who has achieved the highest academic standing in the first year of the master's program and is made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (Available 98W Session)

Joan TUEY Scholarship in Early Childhood Education - Scholarships totalling \$3,000 have been endowed by Leon and Joan Tuey for students in Early Childhood Education. The awards are offered to students in the Teacher Education program concentrating in Early Childhood Education and are made on the recommendation of the Faculty of Education. (Available 98W Session)

Leon TUEY Scholarship in Art Education - Scholarships totalling \$3,000 have been endowed by Leon and Joan Tuey for students in Art Education. The awards are offered to students in Secondary School Education concentrating or majoring in Art Education and are made on the recommendation of the Faculty of Education. (Available 98W Session)

UBYSSEY Community Contribution Award - A \$3,000 award has been endowed by The Ubysey Publications Society on the occasion of its 80th Anniversary. The award is offered to a student who significantly contributes to the development of community on campus and is made by nomination. Selection of the award recipient is made by a committee of members from the campus community chaired by a representative from the Office of Awards and Financial Aid. (Available 98W Session)

UBC. Ed.D. Leadership Award - Awards to a maximum of \$2,000 each are offered to students in the Ed.D. program in Educational Leadership and Policy on the recommendation of the Department of Educational Studies in consultation with the Faculty of Graduate Studies. (Available 98W Session)

UBC Rehabilitation Sciences Alumni Margaret Hood Scholarship in Occupational Therapy - A \$1,000 scholarship has been endowed by alumni, friends and The British Columbia Society of Occupational Therapists in honour of Margaret R. Hood, a founding member of the School of Rehabilitation Sciences. The award is offered to a graduate student in Occupational Therapy and is made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (Available 98W Session)

UBC Rehabilitation Sciences Alumni Jane Hudson Scholarship in Physical Therapy - A \$1,300 scholarship has been endowed by alumni and friends in honour of W. Jane Hudson, a founding member of the School of Rehabilitation Sciences. The award is offered to a graduate student in Physical Therapy and is made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (Available 98W Session)

UNIVERSITY Women's Club of Vancouver Scholarship in Education - A \$600 scholarship has been endowed by the University Women's Club of Vancouver for an undergraduate student in Education and is made on the recommendation of the Faculty. (Available 98W Session)

Rona A. and H. Douglas WALLIS Memorial Scholarship in Chemical Engineering - A \$1,200 scholarship has been endowed by J. H. Wallis in memory of his parents Rona A. Hatt (Chem. Eng.1922) and H. Douglas Wallis (Chem. Eng.1924). The award is offered to an undergraduate female student in Chemical Engineering and is made on the recommendation of the Department. (Available 98W Session)

WATER Quality Scholarship - Scholarships totalling \$1,200 have been endowed by the International Association of Water Quality (IAWQ) for M.A.Sc. or Ph.D. students in Environmental Engineering. The awards are offered to students involved in research related to water quality and waste management and are made on the recommendation of the Pollution Control and Waste Management Group of the Department of Civil Engineering in consultation with the Faculty of Graduate Studies. (Available 98W Session)

WESTCOAST Energy Inc. Ed. Johnson Memorial Bursary in Mechanical Engineering - Bursaries totalling \$1,200 have been endowed by Westcoast Energy Inc. in memory of Ed. J. Johnson and are offered to students in Mechanical Engineering. (Available 98W Session)

Bruce WOODSWORTH Bursary in Geology - Bursaries totalling \$600 have been endowed through a bequest by Bruce Woodsworth for students in geology. (Available 98W Session)