

DRAFT UNTIL APPROVED BY SENATE

MINUTES OF A MEETING OF THE SENATE OF SIMON FRASER UNIVERSITY HELD
MONDAY, JANUARY 14, 1980, 3172 ADMINISTRATION BUILDING, 7:00 P.M.

OPEN SESSION

Present: Pedersen, K. G., Chairman

Arrott, A. S. Absent

Beirne, B. P.

Birch, D. R.

Blackman, A. R.

Blaney, J. P.

Brown, R. C.

Bursill-Hall, G. L.

Calvert, T. W.

Dobb, T. C.

Einstein, F.

Enns, R.

Geen, G. H.

Harrison, D. J.

Hinchcliffe, S.

Hobson, R. F.

Holweg, B. A.

Ivany, J.W.G.

Jones, C.H.W.

Keltner, A. A.

Lachlan, A. H.

Mackauer, J.P.M.

Matthews, L.

McNabb, G. T.

Munro, J. M.

Okuda, K.

Resnick, L.

Rieckhoff, K. E.

Roberts, M. C.

Shields, M. B.

Slay, M. R.

Wagner, P. L.

Webster, J. M.

Weinberg, H.

Weinkam, J. J.

Whitecross, G. A.

Wideen, M. F.

Evans, H. M., Secretary

Nagel, H. D.

Norsworthy, R., Recording Secretary

Coté, P. T.

Doherty, P. M.

Fisher, J.

Kemp, C. L.

Luetzen, S.

Moffatt, D. C.

Overholt, M. J.

Thomas, L. E.

Toor, J. B.

Tuinman, J. J.

Wideen, B. M.

Wyatt, J. D.

In attendance

Alderson, E. W.

Cleveland, W. L.

Copes, P.

D'Auria, J. M.

Day, J. C.

Manley-Casimir, M. E.

Truax, B. D.

Zarn, D.

L. Matthews was welcomed to her first meeting of Senate following election as a student Senator.

1. APPROVAL OF AGENDA

On a motion by K. Rieckhoff, seconded by T. McNabb, the agenda was approved as circulated.

2. APPROVAL OF MINUTES

Moved by K. Rieckhoff, seconded by G. Whitecross,

"That the minutes of the Open Session of
December 3, 1979 be approved as distributed."

MOTION CARRIED

3. BUSINESS ARISING FROM THE MINUTES

The Chairman noted that business arising from the minutes is included on the agenda for consideration under Item 5(v).

4. REPORT OF CHAIRMAN

Senate was informed that acceptances have now been received from all honorary degree candidates invited to attend the 1980 Convocation ceremonies. It was also reported that Mrs. E. S. Lett recently has been hospitalized with a broken hip but is progressing favorably following the mishap.

F. Einstein gave notice of question that SCAP be requested to provide an annual report, including an outline of the University's academic priorities.

5. REPORTS OF COMMITTEES

i) Senate Committee on Undergraduate Studies

a) Paper S.80-1 - Department of Business Administration and
Department of Economics - Change of Course Designation

Senate received for information a recommendation approved by SCUS that all references to "Commerce" in the calendar be changed to read "Business Administration" and all courses designated COMM be designated BUS.; also the courses which were formerly listed in both departments and referred to as ECON/COMM courses be designated as BUEC, as follows:

- BUEC 231-3 - Introduction to Model Building in Economics and Commerce
- BUEC 280-3 - Introduction to Labor Economics
- BUEC 293-3 - Law in the Economic Society
- BUEC 332-3 - Elementary Economic and Business Statistics I
- BUEC 333-3 - Elementary Economic and Business Statistics II
- BUEC 386-5 - Industrial Relations
- BUEC 396-3 - The Structure of Industry
- BUEC 397-5 - Government and Business

- b) Paper S.80-2 - Education - 1) New Course - EDUC 425-4;
2) Changes - Physical Education Minor

Moved by D. Birch, seconded by M. Wideen

1. "That Senate approve and recommend approval to the Board of Governors the proposed new course EDUC 425-4 - School Counselling for the Classroom Teacher, as set forth in S.80-2."

Note: The course was presented as an appropriate response to an identified need of many teachers. The library estimate was seen as somewhat high since the library collection has been supplemented for the graduate programs in clinical psychology and it was felt that the number of necessary school-oriented counselling titles published annually must be relatively small.

2. "That Senate approve and recommend approval to the Board of Governors the proposed calendar revisions for the Physical Education minor, as set forth in S.80-2."

Note: The proposed calendar revisions are largely oriented towards stronger liaison between Education and Kinesiology. They incorporate the new sequence of courses developed for that purpose.

In response to a question raised by G. Whitecross, M. Wideen stated that EDUC 459 and EDUC 479 are normally offered during EDUC 404 but an individual wishing to complete a minor following certification could take the courses at some other time.

Question was called, and a vote taken.

MOTION CARRIED

- c) Paper S.80-3 - Centre for the Arts - New Program Proposal:
Minor in Contemporary Music

Moved by D. Birch, seconded by L. Resnick,

"That Senate approve and recommend approval to the Board of Governors the proposed Minor in Contemporary Music as set forth in S.80-3 and specifically including the following:

- i) New courses
 - FPA.140-3 - Introduction to Contemporary Music
 - FPA.240-3 - Contemporary Music Performance
 - FPA.244-3 - Contemporary Music Composition and Composers
 - FPA.245-3 - Music Composition and Performance I
 - FPA.340-3 - Music Composition and Performance II
 - FPA.341-3 - Music Composition and Performance III
 - FPA.347-3 - Introduction to Electronic Music Composition
 - FPA.348-3 - Introduction to Computer Music Composition
 - FPA.448-5 - Directed Study in Music Composition
 - FPA.449-5 - Directed Study in Electroacoustic Music Composition
- ii) Minor in Contemporary Music."

S.M. 14/1/80

Note: The music minor was deleted from an earlier development plan of the Centre for the Arts which was approved in principle by SCAP and Senate, however, it was removed because planning was at a very rudimentary stage rather than because those bodies had any specific reservation about the development of a music minor. The minor now before Senate is entirely consistent with the general development of the Centre for the Arts and it has the additional virtue of incorporating and building upon a field which has gained this University an international reputation since 1965. Through the work of Murray Schafer the Centre for Communication and the Arts attracted a great deal of attention in the field of acoustic dimensions of communication, environmental acoustics, and electroacoustic communication.

Music is the last of the arts to be developed within the curriculum of the Centre for the Arts and the Senate Committees were informed that this is so for two major reasons: First, music programs can be very costly when taught in the traditional studio and individual instruction modes; second, music is probably the best covered of the arts in B.C. when it comes to formal programs. In planning a music program the Centre for the Arts has sought to emphasize the need for complementarity with its own programs in other fields and in so doing has developed a program which will be unique in the province and which will operate with substantially lower instructional costs than most music programs.

On the one hand the proposed minor in contemporary music is not designed to provide a career training for professionals; on the other hand it is not intended as a program in "music appreciation." Performance and composition are central to the program. Although enrolment projections show 12 students completing the minor in any given year, enrolment will be much higher in many of the courses which will serve the interests of students emphasizing other aspects of the fine and performing arts or majoring in related fields.

Should the minor in contemporary music be approved, the intention of the Centre for the Arts is to implement it in 1981/82 and 1982/83. Full implementation will require the appointment of a new faculty member in each of those two years and the appointment of a laboratory instructor, the purchase of library resources, the renovation of existing space, and the purchase of some equipment complementary to existing equipment. Initial purchases required for the Library are estimated at approximately \$12,000 but this may require supplementing in the second year. Submissions to the Universities Council will incorporate all the additional operating costs for the proposed minor, specifically those operating costs which can properly be ascribed to the new courses proposed for the minor. The program, if approved by Council, will be eligible for one year of new program funding and for emergent program funding for the period of its implementation plus one year. Beyond that time, like all other programs in the University, it will be funded through the enrolment-driven allocation formula.

E. Alderson and B. Truax were in attendance to respond to questions posed.

T. Arrott enquired as to the consequences of deferring implementation of the proposal and D. Birch explained that there is 20 months lead time required for program funding and postponement of implementation could lead to difficulties in the overall Fine Arts plans. K. Rieckhoff expressed unwillingness to cast a vote on the proposed program which did not include a priority rating with other proposals. The Chairman concurred that rationalization of the direction of academic planning requires continued consideration and he welcomed any expressions of opinion relating to the subject. D. Birch commented that the development of fine arts has been seen as an academic priority although it could not be explicitly ranked at this time. He added that the University and the President have discretion to make submissions to Universities Council for funding which, if approved, may go forward to government and within that year before final allocations are made there can be decision to proceed or pull back.

There was lengthy discussion relating to enrolments, sophistication of the proposed minor and financial consequences, and E. Alderson stated that the minor afforded a rare opportunity for music students to compose for film, dance and theatre and could attract a large number of students to the University. To delay implementation would deter orderly development and tend to defeat the effectiveness and potential of the Centre for the Arts.

Question was called, and a vote taken.

MOTION CARRIED

d) Paper S.80-4 - Canadian Studies - New Program Proposal

Moved by D. Birch, seconded by T. Calvert,

"That Senate approve and recommend approval to the Board of Governors, as set forth in S.80-4, the Canadian Studies proposal including the following:

I. Canadian Studies

- a) Change of designation from "Canadian Studies Program" to "The Centre for Canadian Studies"
- b) Requirements for a B.A. degree with Major in CN.S
 - i) Lower Division prerequisite courses
 - ii) Upper Division requirements for the Major in CN.S
 - iii) Distribution requirements
- c) Requirements for a B.A. degree with Honors in CN.S
 - i) Lower Division prerequisite courses
 - ii) Upper Division requirements for Honors in CN.S
 - iii) French Language requirements
- d) Requirements for a Minor in CN.S
 - i) Lower Division prerequisite courses
 - ii) Upper Division requirements for the Minor in CN.S
- e) Joint Program Requirements
 - i) Joint Major requirements
 - 1. Anthropology
 - 2. Archaeology
 - 3. Commerce
 - 4. Communication

5. Criminology
6. Economics
7. Economics and Commerce
8. English
9. Geography
10. History
11. Political Science
12. Sociology
13. Sociology and Anthropology

ii) Joint Honors requirements

f) French Language Training

g) New "Internal" CN.S courses

- i) CN.S 160-3 - The Social Background of Canada
- ii) CN.S 210-3 - Foundations of Canadian Culture
- iii) CN.S 280-3 - Canadian Political Economy
- iv) CN.S 350-3 - The Francophones Outside Quebec
- v) CN.S 390-3 - Special Canadian Topics
391-3
- vi) CN.S 490-3 - Canadian Interdisciplinary Seminar
491-3
- vii) CN.S 495-5 - Canadian Studies Honors Essay

h) Recognized courses from other Departments and Programs

- i) ARC. 223-3, 360-5, 475-5, 476-5
- ii) BISC 310-3
- iii) CMNS 230-3, 333-3, 336-3, 437-5, 445-5
- iv) CRIM 131-4, 135-3, 230-3, 231-3, 330-3, 335-3
- v) ECON 101-3, 201-3, 310-3, 353-5, 381-5, 390-3, 480-3
ECON/COMM 280-3, 293-3, 386-5, 397-5, 498-3
COMM 103-3, 393-3
- vi) ENGL 221-3, 354-4, 356-4, 358-4, 360-4
- vii) GEOG 262-3, 322-3, 323-3, 385-3, 421-5, 444-5, 445-5,
462-5, 469-5, 470-5
- viii) HIST 101-3, 102-3, 201-3, 385-3, 423-3, 424-3, 428-3,
429-3, 430-3, 431-3, 432-3, 434-3
- ix) FREN 230-3, 341-3, 422-3, 430-3, 431-3, 480-2, 481-2
LING 230-3
- x) POL. 121-3, 151-3, 152-3, 221-3, 222-3, 251-3, 321-3,
322-3, 323-3, 324-3, 351-3, 356-3, 421-3, 422-3,
423-3, 424-3, 428-3, 429-3, 451-3, 452-3
- xi) S.A. 100-4, 140-4, 300-4, 386-4, 394-4, 396-4, 401-4,
405-4, 486-4, 487-4, 488-4, 489-4, 490-4

II Bilingual Program for SFU

III French Canadian Studies Certificate Program."

NOTE

I Canadian Studies

- a) The designation "Centre" was considered to be more appropriate than "Program" for a unit coordinating several programs.

b,c,d, and e) Several questions were raised in SCUS and in SCAP. First, it was noted that at this time the proposal covers a Bachelor of Arts degree through the Faculty of Interdisciplinary Studies with a major or joint major or honors or joint honors in Canadian Studies. Provision for joint major or joint honors degrees through the Faculty of Arts would require an additional proposal which may be forthcoming at a later stage.

Second, although the proposal reflects a strong commitment to the study and understanding of Canada's two main-stream cultures and "emphasizes the importance of acquiring a knowledge of the French language," SCUS and SCAP have approved a recommendation to include functional bilingualism only as a requirement for honors, but to approve for a limited period of time the provision of a French language exemption (if necessary) for Canadian Studies majors. This was by far the most controversial aspect of the proposal as it now stands because there is virtual unanimity at all levels on the desirability of a French language requirement. In the considered judgment of the Director the effect of imposing an immediate and universal requirement would be to restrict severely the number of students who would voluntarily enrol in the program; these students could then be sensitized to the need for a greater understanding of French Canada and a working knowledge of the language. The Committees considered the enrolment increase in French in B.C. high schools to be a promising development, therefore, anticipated a less negative impact from removing the exemption provision in 1985.

Third, concern was expressed about the joint major requirement. Senate has not established firm guidelines for the development of joint majors or joint honors, however, a variety of precedents exist. For example, the joint major in Economics and Commerce requires at least 25 hours of upper division courses in Economics and at least 26 in Commerce. The joint major in Sociology and Anthropology requires 40 upper division hours with 20 in Sociology and 20 in Anthropology. In the case of joint majors between Latin American Studies and other fields the requirements vary; in general 20 hours of upper division courses are required in LAS. and from 20 to 30 in the various related disciplines. The proposed joint programs with Canadian Studies differ somewhat from the precedents in that there is no abatement of the normal major requirements either in Canadian Studies or in the related disciplines, however, up to 12 hours of upper division courses available for credit in both Canadian Studies and the other subject may be counted towards the upper division credit requirements of both. Therefore, a joint major in Canadian Studies and another subject which also specifies 30 upper division credit hours will require a minimum of 48 upper division credit hours in the two subjects (30 Canadian Studies plus 30 in the other subject minus 12 overlap). After much discussion this approach was approved. It was seen as desirable to maintain the full requirements of a major in each subject and it was seen as appropriate to the nature of Canadian Studies and the need for integration to permit the crediting of courses to both.

II Bilingual Program for SFU

Neither Committee raised any serious concerns about the proposed Bilingual Program the purpose of which is to provide an opportunity

to take university level studies in the French language in areas other than French language instruction. The program is expected to appeal to Anglophone students at SFU who wish to improve their facility with the French language, local students of French origin who wish to maintain facility in the use of French in the face of the pressures of the Anglophone environment, and Francophone students from elsewhere who wish to become acquainted with B.C. and to improve their facility with English. (At least 30 hours of instruction must be taken in each of English and French.)

III French Canadian Studies Certificate Program

Neither Committee raised any major concerns with the proposed French Canadian Studies Certificate Program either. This program will serve to identify courses appropriate to French Canadian Studies and which together will "provide a broad understanding of the position of the French Canadian community across the country and of that community's cultural heritage."

Approval, Resources and Implementation

Should these programs be approved by Senate and the Board of Governors they will be submitted to the Universities Council. Implementation will be contingent on Council approval and the allocation of new and emergent program funding.

P. Copes joined the assembly to support the proposal and stated that the three inter-related programs had been designed to change the current Canadian Studies Program to an unrivalled Centre for Canadian Studies in Western Canada providing an integrated program with an interdisciplinary core. K. Rieckhoff was of the opinion that the change of designation to Centre is unnecessary and noted that Canadian Studies is a concentration rather than an academic discipline. He did not see the need for a conglomerate of degree programs when the current enrolment in the minor consists of 19 students. His comments were supported by R. Hobson.

The Chairman accepted a proposal by Rieckhoff/Okuda to divide the question into its three parts, I, II, III. Attention was directed to Section I of the motion. K. Okuda regretted the omission of details regarding resources and D. Birch stated, although the costs are fairly significant, it is not anticipated that the program would be implemented unless it received Council and Budget approvals. T. Calvert added that a pattern for joint appointments with participating departments will depend on circumstances. A number of Senators expressed apprehension regarding the possibility of the proposal attracting limited enrolments without an adequate supply of French speaking students.

On an accepted suggestion that the subdivisions of Section I be considered ~~seriatim~~, question was called on subdivisions a), b), c), d), e), f), g) and h), all of which were approved.

MOTION ON SECTION I
APPROVED

Senate then considered Section II - Bilingual Program for SFU. K. Okuda mentioned that although there are a number of bilingual faculty members available difficulties could arise in the mounting and staffing of five or six French courses given in the French language per semester and he was concerned with the impact on English speaking students at the University and the availability of courses for them; with further problems likely when French is not required for a major in Canadian Studies. P. Copes replied that his survey of French teaching capabilities had revealed a large number of courses could be taught by individuals with good competence in French and it is proposed that six courses in French each year expected to be offered by bilingual instructors who have already agreed in principle to teaching one course each per annum. A number of Senators were not convinced that the logistics of offerings could be satisfactory.

A number of Senators also were skeptical about the logic of recruiting students from outside the province for a bilingual program, and it was suggested that the proposal was premature without adequate review. An amendment proposed by T. Arrott, seconded by K. Rieckhoff, "That this body recommends to the Academic Vice-President that permanent staffing be postponed until there is adequate enrolment for the program for the Centre for Canadian Studies," and later changed to "This body recommends the permanent staffing for the French part of the Canadian Studies program be delayed until adequate enrolment has been achieved," was ruled out of order by the Chairman.

At 10 p.m., on a motion by P. Wagner, the Open Session of Senate was extended for one half hour. On further discussion there was agreement by approved motion to continue the Open Session until completion of items on the Open agenda through items to 5. iv) e) inclusive.

Moved by J. Munro, seconded by K. Rieckhoff,

"That the question be put."

MOTION CARRIED

Question was called on the motion to approve Section II of the main motion, and a vote taken.

MOTION ON SECTION II
FAILED

P. Copes stated that Section III - French Canadian Studies Certificate Program is a simple program requiring no additional resources as it allows a certificate to be obtained with a certain combination of existing course offerings in the English medium.

An amendment was moved by P. Wagner, seconded by J. Munro,

"That under the requirements, paragraph 3,
item (a) be deleted, and that items (b) and
(c) be relettered (a) and (b)."

J. Munro noted that the amendment would produce an equivalent requirement to that of DLLL for placement in the French Division.

Question was called on the amendment, and a vote taken.

AMENDMENT CARRIED

Question was called on the motion as amended, and a vote taken.

MOTION ON SECTION III
AS AMENDED CARRIED

ii) Senate Committee on Academic Planning/Senate Committee on Under-graduate Studies

a) Paper S.80-5 - Faculty of Arts - Minor Program in Humanities

Moved by D. Birch, seconded by R. Brown,

"That Senate approve and recommend approval to the Board, as set forth in S.80-5, the proposed Minor Program in Humanities as follows:

- i) Requirements for a Minor in Humanities
- ii) New courses -
 - HUM. 302-3 - The Golden Age of Greece: An Integrated Society
 - HUM. 304-3 - The Judeo-Christian Tradition in Western Culture
 - HUM. 306-3 - The Philosophical Question of the Humanities
 - HUM. 308-3 - The Humanities and Critical Thinking
 - HUM. 400-5 - Humanities Proseminar."

Note: It was indicated that a working committee, composed of faculty members in the Faculty of Arts and Faculty of Interdisciplinary Studies, had proposed a program which builds on existing courses in both Faculties and on a few new Humanities courses in the areas of Religion and Classical Studies. The program will have a steering committee and be similar to programs in Area Studies.

W. Cleveland was invited to join the assembly and noted that in designing the program the committee was constrained to redeployment of existing faculty which precluded more frequent offerings of HUM. 302, 304, 306 and 308 than every second year. T. McNabb asked for information on the overall plan for development of Humanities and was informed that the committee had confined itself to the proposal as presented. R. Brown added that there are already at least four programs in the Humanities but the current proposal is an attempt to provide a collated program for students outside the Humanities with staffing by a number of people with emeritus status at other universities in the area of the classics.

Moved by M. Mackauer, seconded by F. Einstein,

"That the question be put."

CARRIED

Question was called on the motion, and a vote taken.

MOTION CARRIED

iii) Senate Committee on Academic Planning

a) Paper S.80-6 - Engineering Program Proposal

Moved by J. Munro, seconded by T. Calvert,

"That approval in principle be given to the establishment of undergraduate and graduate degree programs in Engineering at Simon Fraser University."

Note: If approval is given by Senate to this motion, the intent is that a Director be appointed as soon as possible to take charge of detailed curriculum development with a view to submitting a full program to Senate in December 1980.

A number of issues relating to this proposal were addressed at SCAP. These included the potential demand for the graduates of an engineering program, the impact of introducing an engineering program on the University, the possible program structure, and budgetary considerations.

Actions proposed by both the Federal and Provincial Governments involve an increasing emphasis on research and development and an increasing need for individuals with professional engineering skills. Moreover, information presented to SCAP indicated that the number of engineering graduates presently produced by the University of British Columbia was disproportionately low compared with the rest of Canada. BC also has a net migration of engineers into the Province. These factors all suggest graduates of a Simon Fraser University engineering program should have ample employment opportunities.

It was also noted that the University of Victoria is also giving consideration to an engineering program and that their Senate has authorized a planning study. However, even if all three B.C. universities were to offer programs in various engineering disciplines, demand should be large enough to absorb the graduates.

The Engineering Program proposed for Simon Fraser University would build on the strengths already present in the Departments of Mathematics, Physics, Kinesiology, and Computing Science. These strengths involve both faculty research interests and teaching programs. Indeed, first year transfer programs to the University of British Columbia Engineering Program are presently being offered by the Departments of Mathematics and Physics at Simon Fraser University. Also, the growth of the manufacturing industry in the eastern Lower Mainland should enhance the growth of the program.

An Engineering Program established at Simon Fraser University would have to meet the accreditation requirements of the Canadian Accreditation Board. Currently, these require that students complete at least one semester of basic sciences; one semester of Mathematics and one semester of humanities, social

sciences and administrative studies taken together. Because of this, it is clear that an Engineering Program at SFU would have the effect of enhancing enrolments within existing SFU departments. The program proposed would offer a four year undergraduate degree. Such a program is standard at many other Canadian and United States universities. Furthermore, it is intended that graduate programs would also be established simultaneously.

One important concern is the organizational structure and designation of the proposed Engineering Program. In formulating its recommendations, the Ad Hoc Engineering Committee drew upon the advice of consultants. They indicated that their experience with the development of university engineering programs had led them to two conclusions. First, because of the strong inter-relationships between university Schools or Faculties of Engineering and the various Engineering professional societies, there existed a strong university-community relationship. This relationship was enhanced if an engineering program was given a separate identity and structured along conventional lines. Thus, it is proposed that the departments within the proposed Engineering Program be administered under a School or Faculty of Engineering separate from the existing Faculties at Simon Fraser University. It is also proposed that Engineering departments be structured along conventional lines, i.e. departments of Mechanical, Electrical, and Chemical Engineering. Within these conventional departments, specializations would be developed which would be unique to British Columbia, e.g. communications, energy and materials, industrial systems, and engineering in extreme environments.

Finally, it should be noted that the motion as approved by the Senate Committee on Academic Planning is intended to enable more intensive program planning activity. If the motion is approved by Senate, it is the intent of the University to proceed with the appointment of a Director and to charge that individual with responsibility for preparing detailed program proposals with a view to submitting a full program for Senate approval in December 1980. The Director would be someone who was familiar with university engineering education and would be expected to consult widely with other universities, the engineering profession, potential employers and governments in the course of the planning period.

The information contained in the proposal before you outlines the directions that an Engineering Program might take if developed at Simon Fraser University; while it represents the considered views of the Ad Hoc Engineering Committee, the proposal is not intended to act as a detailed model for a fully developed program proposal.

For this reason, the budgetary and space information included on pages 11 and 12 of the Committee report cannot be regarded as in any way definitive. Budget and space requirements would depend on the size of the program, the number of specialized fields offered, and the scope of research programs.

Once approved by the Universities Council, an Engineering Program would be eligible for new and emergent program funding for a five-year period. After that, the full cost of the Program would become part of the University's regular operating budget, funded according to the enrolment-driven formula.

J. D'Auria and D. Zarn were invited to respond to any questions raised by Senators.

T. Calvert gave a brief summary of the history of the proposal and added that the submission represents a completely new professionally oriented venture for the University, involving a new School or Faculty, and new faculty hirings, with a substantial enrolment potential for Science and Arts since requirements for a degree include one semester of humanities, social sciences; one semester^{of} mathematics courses and basic science, two years of engineering broadly based, and the development of majors with research components. M. Roberts lauded the proposal but was surprised that civil engineering had not been included. T. Calvert suggested that research areas may involve civil engineering.

J. Munro stated that the paper entails a recommendation to approve in principle a program for undergraduate and graduate degrees in engineering and that the focus should not be on the considered advice contained in the documentation but on the desirability of such a program.

A friendly amendment proposed by M. Mackauer to change the wording of the motion to "That approval in principle be given to the development of a detailed proposal in graduate and undergraduate degree programs in Engineering at Simon Fraser University," was not accepted by the mover of the motion.

In response to a question regarding the intent of the phrase "approval in principle," J. Munro said that if a decent looking program is brought forward Senate would have a general commitment to approve it. He added that the proposal before Senate is the largest program since the University was established and, although it is soundly based in concept and feasibility, Senate need not be required to give final approval of a proposal just because it had been previously approved in principle.

J. D'Auria provided information to the effect that the proposed School involves a four year program, which is the norm in North America, as opposed to the unique program at UBC which requires five years to complete. K. Rieckhoff spoke strongly in support of the proposal and urged that planning proceed.

Moved by H. Weinberg, seconded by P. Wagner,

"That the question be put."

CARRIED

Question was called on the main motion, and a vote taken.

MOTION CARRIED

iv) Senate Graduate Studies Committee

a) Paper S.80-7 - Education - Proposed Graduate Calendar Changes
- Curriculum Changes

Moved by B. Beirne, seconded by G. Ivany,

"That Senate approve the proposed Graduate Calendar changes in the Faculty of Education, as set forth in Paper S.80-7."

M. Manley-Casimir was in attendance to support the presentation.

Question was called, and a vote taken.

MOTION CARRIED

To accommodate other resource people who had been waiting for their submissions to be considered, the agenda was reordered to place Paper S.80-11 as the next item of business.

- e) Paper S.80-11 - Master of Natural Resources Management Program - Curriculum Changes, including New Courses

Moved by B. Beirne, seconded by T. Calvert,

"That Senate approve the proposed Graduate Calendar changes for the Master of Natural Resources Management program as set forth in Paper S.80-11."

C. Day was in attendance.

Question was called, and a vote taken.

MOTION CARRIED

- b) Paper S.80-8 - Education - Grading for EDUC 840-0

Moved by B. Beirne, seconded by G. Ivany,

"That Senate approve the grading of EDUC 840-0 on a Satisfactory/Unsatisfactory basis."

Question was called, and a vote taken.

MOTION CARRIED

- c) Paper S.80-9 - Communication - Proposed Graduate Calendar Changes - Curriculum Changes

Moved by B. Beirne, seconded by K. Rieckhoff,

"That Senate approve the proposed Graduate Calendar Changes in the Department of Communication, as set forth in Paper S.80-9."

Question was called, and a vote taken.

MOTION CARRIED

S.M. 14/1/80

- d) Paper S.80-10 - Kinesiology - Proposed Graduate Calendar Changes - Curriculum Changes

Moved by B. Beirne, seconded by K. Rieckhoff,

"That Senate approve the proposed Graduate Calendar changes in the Department of Kinesiology, as set forth in Paper S.80-10."

Question was called, and a vote taken.

MOTION CARRIED

It was agreed that the balance of the items on the agenda would be deferred until the February meeting of Senate.

Moved by K. Rieckhoff, seconded by J. Munro,

"That the assembly recess briefly prior to moving into Closed Session."

MOTION CARRIED

Senate recessed at 11:15 p.m.

H. M. Evans
Secretary