

DRAFT UNTIL APPROVED BY SENATE

MINUTES OF A SPECIAL MEETING OF THE SENATE OF SIMON FRASER UNIVERSITY
HELD MONDAY, NOVEMBER 20, 1978, 3172 ADMINISTRATION BUILDING, 7:00 P.M.

OPEN SESSION

Present: Birch, D. R., Acting Chairman

Blaney, J. P.		
Brown, R. C.		
Calvert, T. W.		
Carlson, R. L.	Absent	Arrott, A. S.
Dawson, A. J.		Cote, P. T.
Dobb, T. C.		Doherty, P. M.
Geen, G. H.		Douglas-Crampton, D.
Gingerich, J. C.		Frydenlund, D.
Hauka, D. P.		Harrison, J.
Hobson, R. F.		Hindle, L.
Holweg, B. A.		Ivany, J.W.G.
Hoyt, G. C.		Kemp, C. L.
Jones, C.H.W.		Mackauer, J.P.M.
Keltner, A. A.		Overholt, M. J.
Luetzen, S.		Resnick, L.
McMillan, D. B.		Walkley, J.
Moffatt, D.		Weinkam, J. J.
Okuda, K.		Wyatt, J. D.
Palmer, P. L.		
Pinfield, L. T.		
Reilly, N. R.	In attendance:	Munro, J. M.
Rieckhoff, K. E.		Roberts, M. C.
Thomas, L. E.		
Timberlake, A. J.		
Tuinman, J. J.		
Wagner, P. L.		
Webster, J. M.		
Weinberg, H.		
Wells, E. J.		
Wheatley, J.		
Young, J. O.		

Evans, H. M., Secretary
Nagel, H. D.
Norsworthy, R., Recording Secretary

1. PAPER S.78-130 - PROGRAM PROPOSAL, KELOWNA SCHOOL OF RESOURCE MANAGEMENT

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

"That Senate approve and recommend approval to the Board of Governors the proposal for the Kelowna School of Resource Management, as set forth in S.78-130, including in particular the following features:

- 1) the establishment of two degrees:
Bachelor of Science (Resource Management)
Bachelor of Science (Forest Resource Management);
- * ii) that both degrees be General Degrees but without a specific Major subject, with a requirement of a graduation grade-point average of 2.0 calculated on all the courses taken from the Kelowna School of Resource Management used for credit toward the degree (excluding duplicate courses), and subject to the fulfilment of the requirements as outlined in paragraphs (iii) and (iv) below;
- iii) students transferring into the School may be given course transfer credit for specific KSRM 300- and 400-division courses. However, at least 60 hours of the 75 hours required for the B.Sc. (Resource Management) and at least 75 hours of the 90 hours required for the B.Sc. (Forest Resource Management) must be taken from the Kelowna School of Resource Management;
- iv) Curriculum requirements:
 - a) first and second year required courses as outlined on page 13A;
 - b) first and second year recommended courses, as outlined on pages 13A and B;
 - c) program for semesters 5 and 6 as specified on page 14;
 - d) program for semesters 7, 8, 9, and 10, as specified on pages 15 and 16;
- v) Approval "pro tempore" of each of the new courses proposed on pages 27-32:
 - KSRM 300-3 - Introduction to Resource Planning and Decision Making
 - KSRM 301-3 - Natural History of British Columbia
 - KSRM 302-3 - Introduction to the Study of Soils
 - KSRM 303-3 - Map and Air Photograph Interpretation
 - KSRM 305-3 - Quantitative Methods in Resource Management
 - KSRM 306-3 - Biological Management of Natural Populations
 - KSRM 307-3 - Natural Resource Economics
 - KSRM 308-3 - Geomorphology and Hydrology
 - KSRM 310-3 - Agroecosystems
 - KSRM 311-3 - Regional Economics

* Minor editorial change made to blue motion sheet of Paper S.78-130.

- KSRM 312-3 - Tree Physiology
- KSRM 315-3 - Animal Physiology
- KSRM 316-3 - Resource Management and Traditional Culture
- KSRM 317-3 - Principles of Surveying
- KSRM 319-3 - Managerial Economics
- KSRM 322-3 - Techniques and Systems Analysis
- KSRM 323-3 - Modelling and Analysis of Natural Resource Systems
- KSRM 324-3 - Climatology
- KSRM 326-3 - Environmental Ethics
- KSRM 400-3 - Management of Non-Renewable Resources
- KSRM 401-3 - Regional Planning
- KSRM 402-3 - Environmental and Resource Law
- KSRM 404-3 - Behaviour and Decision-Making in Business Organizations
- KSRM 405-3 - Public Policy Analysis
- KSRM 406-3 - Environmental Impact Assessment
- KSRM 408-3 - Individual Study Project
- KSRM 410-3 - Introduction to Forest Resource Management
- KSRM 412-3 - Forest Ecology
- KSRM 413-3 - Forest Mensuration
- KSRM 414-3 - Range Management
- KSRM 415-3 - Forest Harvesting
- KSRM 416-3 - Silviculture
- KSRM 420-3 - Introduction to Fish and Wildlife Management
- KSRM 421-3 - Limnology
- KSRM 422-3 - Fish and Wildlife Ecology
- KSRM 424-3 - Oceanography
- KSRM 425-3 - Fisheries Management
- KSRM 426-3 - Wildlife Management
- KSRM 440-3 - Introduction to Water Resource Management
- KSRM 441-3 - Management of Water Quality
- KSRM 442-3 - Forest Watershed Management
- KSRM 444-3 - Water Resource Management
- KSRM 452-3 - Recreational Resource Planning
- KSRM 453-3 - Public Participation Procedures
- KSRM 454-3 - Sociology of Leisure
- KSRM 455-3 - Rural Planning and Development
- KSRM 491-3 - Fire Protection
- KSRM 490-3 - Forest Pathology
- KSRM 493-3 - Forest Entomology
- KSRM 494-3 - Advanced Silviculture
- KSRM 495-3 - Evolution of Forest Policy in British Columbia."

J. Munro, Director of the Kelowna School of Resource Management, and M. Roberts were in attendance to respond to questions in connection with the proposed program. Senator G. Geen, a former Acting Director of the School, was also on hand to support the submission.

The Chairman indicated that there were a number of questions remaining to be addressed but that at this stage final answers were not essential. It is expected that the Director of the KSRM will report to the Vice-President, Academic to provide the necessary access but that in the event a number of schools were eventually to be established there possibly could be a Dean of School who would act in the usual coordinating and deanship role. In the event the program receives approval the Director, Chairman of

Senate, and Registrar will consider a number of the questions not currently addressed in full with the intention to come back with recommendations in the Spring semester and that it was not intended to spend unnecessary time during the present debate on items not essential at this time, such as relationship to membership on Senate and committees, appeal processes, questions of transfer, etc.

Senators were requested to note the following corrections to Paper S.78-130:

Page 21 - Deletion of the last two lines.

Page 22 - Paragraph C should read, "Some of the faculty should have previously taught in undergraduate Resource Management programs. This may require recruiting from outside Canada; recruiting activity and recommendations for appointment will be consistent with AC 26. It will be necessary to place recruiting advertisements to appear before final program approval is obtained from UCBC. However, no commitment will be made without this approval and advertising copy will include a statement concerning the status of program approval."

(Secretary's Note: The proposed new courses listed on Page 32 of S.78-130 were inadvertently omitted from the blue motion sheet but they are to be included in the submission.)

In response to a question the Chairman indicated that the proposal would have Interior Program status and New and Emergent Program funding coming off the top of the total allocation to the University. A five-year projection was being submitted and the University would expect some commitment for that period of time. In response to further enquiry, he indicated that the funding is within the estimates of the Ministry of Education but not a part of the three universities funding section - a separate section of government estimates.

Responses to a number of questions provided the following information:

- ° Admission, Enrolment, Fees: Minimum admission requirements to the degree programs would be specified, with possible limitation on enrolment if the Board so approves, and tuition fees based on the SFU fee structure if the Board approves. The nature of entry to any individual courses for part-time students requires further consideration and review.
- ° Transfer Credit; also Students Not on Full Program Completion: Questions of course equivalents and transferability cannot be resolved until there is further development of the proposed courses. Transferability and applicability across the SFU campus and KSRM may not be fully a two-way street, because of the proposed requirements for at least a minimum amount of work through the Kelowna School.

It is expected that a student who did not fully complete a degree program at the School could utilize KSRM courses toward the BGS degree or potentially toward other degrees to the extent normal

regulations pertain, but further attention must be given in detail to these matters. The nature of part-time studies requires further development. There needs to be appropriate balance in the mix of students.

As a general principle, to the degree reasonable, standard university regulations would pertain.

- Financial Aid: Guidelines are currently in course of preparation for scholarship awards and other forms of financial aid to be considered by the Board of Governors.
- Frequency of Course Offerings, Mode of Operation: The basic operation will call for a Fall semester and a Spring semester, with the Fall semester, for example, being Semester 5 and the Spring semester being Semester 6. It is expected that students will be free to seek employment during the Summer period and hopefully in jobs related to their program interests. Any given course would likely be offered only once a year.
- Prerequisites: Likely through courses available at provincial colleges and at the universities.
- Faculty/Student Ratio: Likely approximating a normal 10-1 figure for upper division courses.
- Faculty: A requirement for research interest in applied resource management. In the early stages rather heavy teaching and course development requirements are anticipated, with some team teaching likely and it will be necessary to obtain the coverage required by the program by attempting to relate the expertise of faculty to the courses in the curriculum.
- Potential Employer Reaction: Favorable, with a special study currently under way.
- Evaluation After Start-Up: It was noted that the paper was generally silent on this point but there was agreement by the Director that this is a very important area and evaluative processes need to be set in place as quickly as possible.
- Graduate Program: May be considered following evaluation of the undergraduate program at the end of the first two years of operation. Some members felt that a strong statement should be included at the present time indicating intent to have graduate programs.
- Location: Kelowna selected by the IUPB from a variety of perspectives including agriculture, interior forestry and population.

Question was called, and a vote taken.

MOTION CARRIED

The special meeting was declared adjourned at 8:22 p.m.

H. M. Evans
Secretary