

The Minutes of the 41st Meeting of the Faculty Council of Science held on Friday, May 8th, 1981 at 3:40 p.m. in Room 207 Buller Building.

Members Present: Dr. C.C. Bigelow, Chairman; Profs. P.K. Isaac, N.E. Losey, H. LeJohn, A. Turnock, M. Doob, W.D. Hoskins, B. Irvine, J.C. Jamieson, H. Halvorson, N.E.R. Campbell, J. Bate, M. Doyle, D.H. Scuse, G.H.J. van Rees, H.J. Ferch, P. Loewen, I. Suzuki, G. Klassen, J. Brewster, T. Wiens, R. MacArthur, E. Huebner, N. Arnason, S. Badour, T.G. Berry, D.A. Young, G. Krause, G.O. Losey, C.M. Wong, L. van Caesele, J.M. Stewart, T.A. Osborn, D.S. Meek, G. Baldwin, G.I. Paul, T. Holens, H.C. Finlayson, J. Charlton, B. Johnston, J.P. Svenne, J. Muzio, R.G. Stanton, H. Liontas, M. Samanta, L.K. Chan, S. Kocherlakota, K. Kocherlakota, N.R. Hunter, W. Moon, D.H. Hall, J.S.C. McKee, F. Konopasek, G.R. Smith, J. Reid (56), and S. Catt, Secretary.

Regrets: H. Christianson (SSA), W. Last, K. Stewart, T. Dandy, S. Sealy.

Visitor: V. Taylor

1. The Minutes of the 40th meeting of October 16, 1980 were approved on a motion by J.C. Jamieson (LeJohn).

2. Matters Arising Therefrom:

The Chairman announced:

- 1) The formation of a Local Discipline Committee
- 2) The approval by the Board of Governors of "Professor Emeritus" status to Professor H. Lees.

P. K. Isaac  
Associate Dean of Science

3. Faculty Elections

- 1) The Chairman pointed out that T.G. Berry, presently a member of the Executive Committee, will be on sabbatical leave during the coming year; however he will be remaining in Winnipeg and will be available to attend meetings. The Chairman asked Council whether it would agree to Prof. Berry continuing to serve in the circumstances. Council agreed.
- 2) The usual method of conducting Faculty elections has for several years been by mail ballot. The Chairman pointed out that another option is to hold elections on the floor of Faculty Council and asked whether Council would agree to do this. On receiving objections from some members, it was decided elections would be conducted in accordance with past practice, that is, nominations to be made from the floor and the voting to be by mail ballot.

i) Nominations for Election to Senate

Three members were required to replace Professors Jamieson, Paul and Wallace. The term of office is for three years.

Nominated were:

Prof. M. Doob, by R.G. Woods/H.B. LeJohn

Prof. B.D. Macpherson, by B. Johnston/S. Kocherlakota

Prof. N.E. Losey, by G.I. Paul/H.B. LeJohn

Prof. D.H. Hall, by A. Turnock/W. Moon

Prof. J.C. Jamieson by P. Loewen/N.E.R. Campbell.

It was moved, Mendelsohn (Stewart) that nominations close.

CARRIED.

ii) Nominations to Executive Committee

Four members were required to replace those whose terms of office will be ending on May 31st, 1981. Nominated were:

Dr. N.R. Hunter, by J.C. Jamieson/D. McKinnon

Dr. A.N. Arnason, by W.D. Hoskins/J.C. Muzio

Dr. K. Kocherlakota, by L.K. Chan/J. Brewster

Dr. D. McKinnon, by C.M. Wong/H.B. LeJohn.

It was moved and seconded that nominations close.

CARRIED.

Because the number of members nominated equalled the number to be elected, those nominated were elected by acclamation.

iii) Nominations to Board of Graduate Studies

Science Faculty is required to nominate two members from the current Science members on the Faculty Council of Graduate Studies, and Faculty Council would then elect one of them for membership on the Board. Nominated were:

Prof. A. Chow, by J.C. Jamieson/B.R. Irvine

Prof. F. Burkowski, by W.D. Hoskins/J.C. Muzio

Prof. G. Williams, by J.P. Svenne/T. Osborn

Nominations closed.

4. Change to Entrance Requirements

Professor Hoskins summarized his reasons for putting forward the Notice of Motion (meeting of October 16, 1980) and moved (N.E. Losey) an amended motion as follows:

"The entrance requirements to the Faculty of Science shall be Mathematics 300; one of Biology 300, Chemistry 300, Physics 300, at least one other subject at the 300 level, plus balance of electives bringing the total to five credits.

Note 1: It is recommended that at least one of the options be another science at the 300 level.

Note 2: Students should refer to the Faculty of Science section of the calendar for a tabulation of first year Science courses and their high school prerequisites, if any."

The above motion had been endorsed by the Executive Committee.

Prof. Losey summarized the Executive Committee's report.

In reply to a question regarding tabulation of first year Science courses Prof. Losey responded that the Science office is preparing a list for the next edition of the calendar.

In the discussion which followed questions were raised as to the options open to students admitted without departmental prerequisites; the requirement of English 300 for High School graduation (Prof. Losey said it is not required at the 300 level); as to why the matter of requiring English 300 had not been followed up in the Report from the Executive Committee (Prof. Losey said the Executive felt it was not in order to place another motion on the floor at this time). A member referred to entrance requirements to professional faculties, most of which required one or two years of Science and felt the faculty would be taking a retrogressive position in not requiring two Sciences at the 300 level. The argument that students intending to study Mathematics do not need grounding in sciences such as Chemistry and Physics was raised; a member pointed out that many students come in currently with two sciences while only one is required but that in small and/or remote schools it is not always possible to schedule 300 sciences. A question of double entrance requirements was raised, to which Prof. Losey responded that the Executive felt it was sufficient to provide a tabulation of departmental prerequisites. A member asked about survival rates after first year; there are no statistics available. Another member was concerned about the quality of scientists we are turning out and felt any competent scientist should have a basic knowledge of all sciences.

The vote was taken and the motion CARRIED.

5. Admission Policy Review - External Transfer Students

In view of problems associated with determining admissibility of External Transfer students it is proposed to change the regulations. Present regulations are:

- " i) All courses acceptable to the Faculty must be transferred.
- ii) Credit is given only in terms of hours earned. No actual grades are transferred (University-wide policy).

- iii) The student must have a cumulative grade point average of at least 2.0 ('C') on all transferred courses to be admissible to Science at the University of Manitoba."

To facilitate the admission process it is proposed to:

- i) Grant transfer credit for only those courses in which a student has achieved a final grade of 'C' or higher.
- ii) Ignore all transferable courses graded 'D'.
- iii) Transfer in as lost attempts all transferable courses graded 'F' but not include them in the grade point average calculation for admissibility.

Professor N. Losey moved (Isaac) that this change be approved. CARRIED.

6. 1) Proposed 4-year Major in Computer Science

Prof. N. Losey moved (Stanton) that the proposed program be approved. CARRIED.

2) Honours Co-op Option Regulations

Prof. N. Losey outlined the proposed regulations and moved (T. Berry) their acceptance.

Prof. McKee asked if departments had been consulted and whether "work term" would be during the summer. Prof. Losey advised that department heads had been consulted. She noted that "work terms" were flexible.

The vote was taken and the motion CARRIED.

3) Computer Science Honours Co-op Option

Dean N. Losey explained that a proposal for a Co-op Program in Computer Science had been approved by Faculty Council, Senate, and the UGC some years ago, but had not been implemented because it was very costly. The present proposal is carefully constructed to mesh well with the regular session, and hence is quite different from the earlier proposal. She moved (Stanton) that the proposed Honours Co-op Option be approved.

Prof. Jamieson noted that questions would likely be asked in Senate regarding cost of implementing this program. Prof. Losey responded that the cost is relatively low; sections have had to be split up because of heavy enrollment so it is reasonable to run courses in Summer Session. Senate has been informed the cost will come out of the regular faculty budget and would be kept in control by limiting enrollment.

Prof. LeJohn enquired as to the effect it would have on students' eligibility for scholarships. Prof. Losey responded that certain undergraduate scholarships would not be available to Co-op students, but they would be eligible for other prizes.

The vote was taken and the motion CARRIED.

4) Course Change: 74.339 Split

This was presented to Council for information.

5) Addition of 78.414 to list of courses approved for credit for Science Students

This was presented to Council for information.

7. Report from Executive Committee

Prof. Woods gave a short summary of the last two Executive meetings and noted that items discussed were also included on this Council's agenda.

8. Report from Senate

Prof. McKee reported on the increase in NSERC grant funds; the proposed academic reviews, and a letter from the UGC regarding proposed new buildings, and requesting details of planning and cost of new Earth Sciences building, noting also plans for a downtown university centre and a theatre for performing arts at Fort Garry. There followed a discussion of building priorities and public and private funds, culminating

in the following resolution by Dr. N.E.R. Campbell with numerous seconders:

"Moved that the University reconsider its building priorities to ensure that academic units receive the highest priority for any funds which are collected either from government or from private sources."

Prof. Stanton felt this motion should receive the strongest support.

Prof. McKee felt the performing arts was not entirely unacademic.

Prof. Jamieson suggested the Earth Sciences building be specified in the motion, Prof. Doyle disagreed. There was discussion of the University's policy that private funding should not be used for academic units and it was pointed out that UBC and Toronto have academic buildings funded from private sources.

The vote was taken and the motion CARRIED (nem. con.).

9. Other Business

- 1) Prof. G. Smith described the "mini-university" which will be operated on campus this summer.
- 2) The Chairman informed Council:
  - i) that applications for admission are up about 20% over last year
  - ii) that NSERC grants to the Faculty are up about 38%, from \$2 1/2 to \$3 1/2 million
  - iii) of the possibility of a new program in Honours Genetics following a review by an inter-faculty committee formed by Dean Bigelow on request of Senate. A report, reviewed by outside referees, has been submitted to Senate. The basic recommendation is that an Honours program be introduced in Science under the direction of an inter-faculty committee.

- 3) Prof. G. Losey expressed concern that the Science Library is not open evenings during the summer, and moved (McKinnon)

"that the Dean convey to the Director of Libraries our deep concern regarding the closing of the Science Library in the evenings."

Prof. McKee, Chairman of the Science Library Committee, noted that despite the fact that Senate and the President had guaranteed the libraries would have highest priority, the acquisitions budget was raised by only 7 1/2%. The library has had to cut staff in order to have an adequate acquisitions budget. It would need additional staff to stay open in the evenings. He suggested the motion should be sent to the Director of Libraries and the Senate Library Committee. The motion was amended to include after "Director of Libraries" the words "and the Senate Library Committee".

The vote was taken and the amended motion was CARRIED (nem. con.)

There being no further business the meeting adjourned at 5:13 p.m.



## Inter-Departmental Correspondence

DATE April 27, 1981

TO All members of the Science Faculty Council

FROM Sheila Catt, Secretary

SUBJECT:

The Forty-first meeting of the Science Faculty Council is scheduled for Friday, May 8th, 1981 at 3:40 p.m. in room 207 Buller Building.

### A G E N D A

1. Minutes of the 40th meeting of October 16, 1980
2. Matters arising therefrom
3. Faculty elections - material attached.
4. Change to entrance requirements: Report from the Executive Committee on the effect on individual departments of the proposed new entrance requirements, and a comparison with entrance requirements of universities outside of Manitoba (as requested by the Faculty Council at its last meeting), with amended motion (attached).
5. Faculty of Science Admission Policy review: External Transfer Students.
6. Report of the Science Committee on Courses:
  - (a) Proposed Four-Year Major Program - Computer Science
  - (b) Honours Co-op Option regulations
  - (c) Computer Science Honours Co-op Option
  - (d) Course Change: 74.339 split
  - (e) Possible addition of 78.414 to list of courses approved for credit for Science students.

Material regarding (a) - (e) will be available in departmental offices on Monday, May 4th.

7. Report from the Executive Committee
8. Report from Senate
9. Other Business

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FACULTY OF SCIENCE - ELECTIONS

(a) To Senate

Current members:

J. C. Rauch )	Term of office
M. Samoiloff )	June 1, 1980 - May 31, 1983
J. S. C. McKee )	Term of office:
N. S. Mendelsohn )	June 1, 1979 - May 31, 1982
D. A. Young )	
J. C. Jamieson )	Term of office:
G. I. Paul )	June 1, 1978 - May 31, 1981
R. Wallace )	

Replacements are required for Professors Jamieson, Paul and Wallace. Term will be three years commencing June 1, 1981 to May 31, 1984.

Members eligible for election are fulltime academic members of the Faculty Council who are not members of another faculty.

(b) To Executive Committee of Science Faculty Council

Current members:

T. G. Berry )	Term of office
J. M. Stewart )	June 1, 1980 - May 31, 1982
K. W. Stewart )	
R. G. Woods )	
J. L. Charlton )	Term of office:
P. Loewen )	June 1, 1979 - May 31, 1981
D. Punter )	
W. D. Hoskins )	Term of office: June 1, 1980 - May 31, 1981

Replacements are required for Professors Charlton, Loewen, Punter and Hoskins, for terms of two years commencing June 1, 1981 to May 31, 1983.

Replacement is also required for Professor T. G. Berry who will be on Research/Study Leave from July 1, 1981 to June 30, 1982. This replacement will be for a term of one year commencing June 1, 1981 to May 31, 1982.

(c) Board of Graduate Studies

Current members of Faculty Council of Graduate Studies are:

H. Kennedy	Botany	M. Doob	Mathematics & Astronomy
A. Chow	Chemistry	H. B. LeJohn	Microbiology
F. G. Burkowski )	Computer Science	G. Williams	Physics
D. S. Meek )		M. Samanta	Statistics
P. Laznicka )	Earth Sciences	T. J. Wiens )	Zoology
J. T. Teller )		S. G. Sealy )	

The names of two of the above members are required in order that one may be elected by the Graduate Studies Faculty Council to serve on the Board of Graduate Studies. The term of office is for three years commencing June 1, 1981. The member to be replaced is Professor J. T. Teller.