

Date: October 14, 1999
To: Committee on Tenure, Promotion and Leaves
From: Milo Schield, Associate Professor
Topic: Request for a Paid Half-Year Sabbatical

In accordance with the Faculty Handbook, the following items are provided as required for application for a sabbatical.

- 1a. Application for Leave of Absence
- 1b. Application for Study Grant. [According to Lois Nielson, there is no such form.]
2. Letter(s) of reference from
the faculty member(s) most qualified to evaluate the applicants proposed use of leave
* Bruce Reichenbach (Philosophy) on the critical thinking perspective
3. Letter of reference from the Department Chair, John Cerrito
4. Personnel File

Also enclosed are some additional materials:
Cover Sheet to my personal page web site

The rationale for my request is contained in my Application for a Leave of Absence.

Although it has been only four years since my 1995 successful application (for a sabbatical in Fall 1996), it has been 8 years since my first request for my 1991 unsuccessful application. Put differently, after being at Augsburg 14 years, I am requesting my second sabbatical. I don't believe faculty should be able to 'bankroll' sabbaticals, but I don't believe faculty should be penalized when an application for a sabbatical is unsuccessful.

As the coordinator for the MIS area, I believe there will be no problem locating acceptable substitutes for my regular courses in statistics. MIS 379 and MIS 479 will be taught by adjunct faculty such as Gerald Kaminski and Bill Jasperson. GST 200 will either be taught by Bill Jasperson or it may not be offered during that term.

Benefit to Augsburg College:

Both activities (reading tables and the relation between association and causation) will be of direct benefit to my students at Augsburg.

Students in GST 200 spend almost two weeks on reading and interpreting tables. My material is original and has been class-room tested by around 600 students. Having this material in a completed book will make it easier for students to read and comprehend.

The relation between association and causation is at the heart of the division between the humanities and the social sciences. Statistics is the foundation for the social sciences. Advances in this area could have great effects in the future of the social sciences and their relation to the professions and the humanities.

I would appreciate your support in my request for time to work on these topics.

AUGSBURG COLLEGE
APPLICATION FOR LEAVE OF ABSENCE

NAME: Milo Schield Department: Business Administration and MIS
Date of Proposed leave of Absence: Year: 2000-01. Term(s): Interim and Spring '01
Year you began full-time service to Augsburg College: 1985.
Years of full-time service to Augsburg College: 15 years as of the end of this year.
Year of last leave of absence with compensation from the college, if any: 1996
Highest completed academic degree: Ph.D.

1. Please explain the project(s) you plan to pursue during your leave of absence:

My primary goal is to prepare my book on Reading Tables for publication. I have worked on this material on my first sabbatical (1996) and on my 3 month unpaid leave (1998-99). I am scheduled to give talks on this material at the US Bureau of Labor Statistics, the US Bureau of the Census and the National Meeting of the Association of Public Data Users.

My secondary goal is to do research on the relation between association and causation in statistics: historically and in current practice. I have an invitation from Dr. Neil Thomason at the University of Melbourne to visit the Department of History and Philosophy of Science. <http://www.hps.unimelb.edu.au/>. Dr. Thomason and one of his graduate students are keenly interested in this topic so I think our collaboration will be mutually beneficial.

2. In what ways do you believe your project will benefit:

- a. Your professional growth:

By broadening and deepening my understanding of statistics in relation to the philosophy of science, I will have a better foundation for my professional activities: speaking and writing.

- b. The academic program of your department and/or the college:

My goal is to make a substantial improvement in the statistics course taken both in Business (MIS 379) and in the humanities (GST 200) at Augsburg. I believe that in shifting our emphasis from mathematical deduction to quantitative reasoning and induction about causation we will be of greater service to our students.

3. To what other sources have you applied or intend to apply for funds to support your proposed study? No other outside sources.
4. Please add any further comments you believe are pertinent and important in support of this application.

I have earned an international reputation in the area of reading tables of counts, percentages and rates. Publishing a reference book will be a fitting completion to this activity.

I request your approval of my request for a sabbatical so I can work toward these ends.

Signature: _____

Date: _____

CURRICULUM VITAE

MILO SCHIELD

Augsburg Employment

1985: Appointed as a full-time Assistant Professor in Business & MIS.
 1987: Elected "faculty member of the year" by Augsburg Seniors.
 1990: Promoted to Associate Professor
 1991: Awarded a Faculty Development Grant to use CD-ROM for MIS 375
 1991: Tenured
 1995: Sabbatical (6 months in England at the University of Nottingham)
 96-99: Chair, Department of Business, Accounting & MIS

Committees

1985-Now Academic Computer User Committee
 1986-1991: Educational Resources Committee (Chair for 1987-1989)
 1990-1992: Skills Subcommittee of General Education Committee
 Advisor: 50 MIS majors in WEC plus 8 MIS minors and majors in Day School

Professional Background and Post-Secondary Education

Iowa State Univ.	1958-1962	B.S.	Physics and Economics
Univ. of Illinois	1963-1965	M.S.	Physics and Mathematics
Rice University	1965-1968	Ph.D	Space Physics
Univ. of Iowa	1968-1970	Postgraduate	Economics & Statistics (4 courses)
National Exam	1978	CMA	Earned Certificate in Mgmt Acctng
National Exam	1978	CPA	Passed Law and Audit
National Exam	1978	Actuarial	Passed Exam #1
Univ. Minnesota	1985-1988	Postgraduate	Bus. Govt. & Society (12 courses)

Professional Activities

Seminars: 1993: One-week seminar on critical thinking (Sonoma State at Sonoma, California)
 1994 One week seminar on teaching statistics: Nat. Science Foundation
 1995: One-week seminar on teaching statistics. Math Assoc. of America
 Publications: 1987: "Augsburg PC Handbook" Volumes I and II
 1990: "Processing Survey Data using OMR Forms, Lotus, Dbase and Minitab"
 1994 "Random vs. Representative" Statistical Education; Am. Stat. Association
 1995 "Correlation and Causality" Statistical Education; Am. Stat. Association.
 1996 "Correlation and Causality" Statistical Education; Am. Stat. Association.

Professional Memberships - Statistics

- American Statistical Association, Section on Statistical Education
- International Association on Statistical Education (IASE)

Courses Taught at Augsburg

GST 100 and GST 200	Critical Thinking & Quantitative Reasoning
MIS 379 and 479	Statistics: Introductory and Advanced
ML 545 and ML 521	Grad. Level Quantitative Reasoning & Critical Thinking
MIS 175, 370, 375, 475 and 476	Courses in MIS systems
CSC 352	Computer Science: Database Design
ECO 111 and 313	Economics: Micro Principles & Intermediate
Econ. Analysis of Legal Reasoning	Economics: Topics

Business Experience

St. Paul Companies	1978-1984	Senior Operations Research Analyst
Fox & Co., CPA	1976-1978	Senior Management Consultant
Bantam Data	1972-1976	President and co-founder

Date: October 14, 1991
To: Committee on Tenure, Promotion and Leaves
From: Milo Schield
Topic: Request for Sabbatical

I was hired in 1985, promoted to Associate in 1990 and tenured in 1991. I request approval to take my first sabbatical in Spring 1993 for a half-year period. Having hired another full-time faculty in MIS, this should not cause a problem in teaching MIS courses. I will use this time to work on two projects:

Proposal:

1. **To complete a supplementary textbook for use in a college course in Statistics.** This supplement would be useful at both the undergraduate and graduate levels. It would not replace regular statistics books. It would supplement them in three areas:

- A. A critical, logical, and philosophical analysis of statistical reasoning
- B. An introduction to surveys: design, execution and analysis with examples
- C. A guide to statistical software for the processing of survey data

Attached are some handouts that I am currently distributing as part of MIS 279 (Quantitative Analysis). I am currently preparing a draft of part B for use by this class. I have already completed the core of part C in my booklet "Processing Survey Data". A copy of this booklet is enclosed in my file. I plan to extend this section by adding chapters on additional software packages such as SPSS and SYSTAT. After a trial period of classroom use, I plan to submit this supplement to a publisher.

2. **Complete a workbook on Quantitative Reasoning for use in Critical Thinking.** I am currently preparing a draft of this workbook for use this next Spring in my course on Critical Thinking. I plan to expand my draft to include a computer-based component. I have enclosed a copy of my review of a text in Logic to illustrate my interest in this area. I attended a related conference at the Univ. of Calif. San Diego to prepare for this topic.

Benefit to Augsburg College:

Both activities will be of direct benefit to my students at Augsburg.

In Statistics, I require all students to complete a project and to use statistical software to analyze their data. Most texts do not cover either item. Those that cover statistical software generally cover only one package. My supplement will remedy all of these deficiencies.

In Critical Thinking, it seems extremely difficult for many students to handle quantitative reasoning. Given that almost 40% of our entry students do not test above level 1, there is an obvious deficiency in mathematics. I believe that my workbook, designed for students with severe math deficiencies, can help them master quantitative reasoning.

I would appreciate your support in my request for time to work on these topics.

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2. Letter(s) of reference from
the faculty member(s) most qualified to evaluate the applicants proposed use of leave
 - 2a. Bruce Reichenbach (Philosophy) on the critical thinking perspective
 - 2b. John Cerrito (Marketing) on the user perspective
 - 2c. Gerald Kaminsky (Statistics) on the teaching statistics perspective
3. Letter of reference from the Department Chair, Amin Kader
4. Personnel File

Also enclosed are some additional materials:

5. a letter of invitation from the Centre for Statistical Education
6. an e-mail from the Statistics Editor of Addison Wesley.
7. Papers delivered at National Meetings of the American Statistical Association:
 - 7a. "Random vs. Representative", 1994 meeting in Toronto, Canada
 - 7b. "Correlation, Determination and Causality -- a Problem in Introductory Statistics", 1995 meeting in Orlando, Florida.
8. "Reasoning with Statistics": a partial draft of the textbook
9. "Processing Survey Data": a future Appendix to the textbook
10. "Project Requirements":

The rationale for my request is contained in my Application for a Leave of Absence.

As the coordinator for the statistics area, I have already located acceptable substitutes for my regular courses. Dr. Tom Morgan plans to teach MIS 479. MIS 379 will be taught by Gerald Kaminsky -- an adjunct faculty who has taught this course in WEC for the past year.