

Minutes of a Meeting of the Regional Committee on Statistics  
Mountain Lake, Virginia  
August 26, 1957

The meeting was called to order at 9 a.m. at the University of Virginia Biological Station, Mountain Lake, Virginia, by Boyd Harshbarger, Chairman, with the following members present:

Boyd Harshbarger, Virginia Polytechnic Institute (Chairman)

G. E. Albert, University of Tennessee

R. L. Anderson, North Carolina State College

Broadus Browne, University of Georgia

Lloyd W. Chapin, Southern Regional Education Board (acting Secretary)

H. H. Chapman, University of Alabama

John K. Folger, Southern Regional Education Board (Secretary)

Donald A. Gardiner, Oak Ridge National Laboratory (for  
T. W. Hildebrandt)

Bernard G. Greenberg, University of North Carolina (for  
George Nicholson)

\* Nicholas Georgescu-Roegen, Vanderbilt University

Carl E. Marshall, Oklahoma State University

Rutledge Vining, University of Virginia

Members absent: Dana Card, University of Kentucky; Herbert Meyer, University of Florida; John Stockton, University of Texas; George Nicholson, University of North Carolina; T. W. Hildebrandt, Oak Ridge Institute of Nuclear Studies.

\*present as an observer

Boyd Harshbarger reported that the Mountain Lake Conference (August 23-28) was a successful and well-attended meeting. Comments by Committee members were

that the conference was interesting and worthwhile. There were suggestions that the programs at subsequent conferences should include fewer papers in order to allow more time for discussion and informal exchange of ideas. The chairman pointed out the advisability of finding some modest financial support for the conference and asked the Committee members for suggestions. It was moved and voted that the chairman appoint a small committee to investigate the possibility of seeking foundation support for the summer sessions. A copy of the program of the Mountain Lake Conference is a part of these minutes. The chairman requested the secretary to write President Darden and Dr. Hobbs of the University of Virginia, expressing appreciation for the use of the Biological Station as a site for the conference, and to President Newman and Dr. Young of VPI for their co-operation and assistance in completing plans for the conference. There was some discussion of the desirability of continuing the conference on an annual basis and a strong sentiment for holding one again next summer. The chairman was asked to take up with Dr. Hobbs the possibility of using the Mountain Lake Station again next year.

The chairman next made a report upon the Southern Regional Graduate Summer Session in Statistics which had just been conducted at VPI. (See printed report.) Recognizing the desirability of some agreement on common content and framework of the courses in Methods and Theory, it was decided that a syllabus should be prepared for a mutually agreed upon set of courses. It was moved and voted to use the following terminology for the summer session courses: Methods I, Introduction to Statistical Methods; Methods II, Design of Experiments; Methods III, Sampling Techniques. The chairman appointed the following committee to prepare a syllabus for Methods I and II: Kramer, VPI; Morrison, Oklahoma; Monroe, University of North Carolina;

Ashe, Florida. For Methods III: J. Freund, VPI; Marshall, Oklahoma; Finkner, University of North Carolina. The chairman was requested to write to George Nicholson to inquire about a syllabus which had been prepared for Theory I, II, and III. If the syllabus is available, the chairman will mail copies to the co-operating schools. If the syllabus is not available, the following committee is appointed to review the courses and prepare a new syllabus: Graybill, Oklahoma; Anderson, North Carolina State; Bradley, VPI.

The Committee next turned to consideration of the plans for the summer session to be held in 1958 at Oklahoma State. In this regard the chairman said that he had hopes that a meeting of the four co-operating institutions may be held sometime during the fall for planning purposes. Carl Marshall announced that the dates proposed for the 1958 Session are June 16-July 25, with the following tentative schedule of courses:

8 - 10 a.m.	Methods I and II, Theory III, Advanced Calculus
10 - 12 noon	Methods III, Theory I and II, Advanced Design of Experiments, Matrix Algebra
1 - 3 p.m.	Game Theory and Linear Programming, Statistical Analysis on Electronic Computers

He commented on suggested staff, and plans for seminars and weekly symposia. Full-time tuition will be a \$42 enrollment fee, plus \$66 out-of-state fee where applicable, total \$108. Each course will be for five hours credit, except the seminars. A proposal has been made to the National Science Foundation for assistance for the weekly symposia. At Dr. Marshall's request Dr. Harshbarger will supply him with a mailing list of previously enrolled students in the summer session in order that they may be sent information about the continuing nature of the summer sessions.

Dr. Marshall also reported that in an effort to stimulate teachers and to encourage young graduate students to go into teaching, he had made a request to the National Science Foundation for a grant in the amount of approximately \$54,000 to support a summer institute for college teachers of statistics which will be held in two three-week sessions. The proposal includes 50 scholarships at \$75 per week for six weeks, plus allowances for dependents and travel. The summer institutes will be held concurrently with the summer session, but largely independent of it.

With regard to the proposed summer session at the University of Florida in 1959, it was agreed that in the absence of Herbert Meyer from the Committee meeting, Boyd Harshbarger will write to him concerning Florida's proposed offerings and plans. John Folger and Boyd Harshbarger will discuss with the University of Florida the importance of a graduate program in statistics at the participating institutions in line with the Committee's policy to promote graduate training at the institutions where the summer sessions are held.

It was moved and voted to table plans for the production of a recruitment brochure.

Since the Committee had voted at its 1956 meeting to invite Georgia Institute of Technology to become a party to the memorandum of agreement, the Secretary was asked to write that institution extending a formal invitation.

In the absence of T. W. Hildebrandt, Donald A. Gardiner of Oak Ridge National Laboratory reported that "A Survey of Computing Facilities in Educational Institutions of the Southern Region" was published in January 1957. Oak Ridge will continue to offer co-operation in the use of its own facilities. Dr. Gardiner agreed to investigate if a copy of the Index of ORACLE Computer Programs at Oak Ridge can be made available to graduate schools in the South.

An announcement of the availability of the survey of computing facilities will be made in SREB's Regional Action.

With regard to the brochure for the summer session, it was moved and voted that all prerequisite courses should be specified for the courses announced in the brochure. It was the consensus of the Committee that no announcement of minimum enrollment requirements be included in the brochure and that basic courses should be given as announced regardless of enrollment.

In view of the fact that information is already available in directories of the ASA and the IMS and the National Science Roster, it was moved and voted that plans for a roster of statisticians be tabled.

It was moved and voted that the University of North Carolina be again asked to participate in the summer session.

There being no further business, the Committee adjourned at 3:30 p.m.

ADDENDUM

FINAL PROGRAM

Program for the Mountain Lake Conference  
Sponsored by the Committee on Statistics of the  
Southern Regional Education Board and the  
Department of Statistics, Virginia Polytechnic Institute

Note 1: Morning and evening sessions will be held. Morning session, 9 AM to 12 or 12:30 PM; evening session, 7 PM to 9 PM.

Note 2: Accommodations will be available on Thursday afternoon, August 22, 1957. Dinner will be served on Thursday evening (August 22, 1957) and the last meal available will be at noon on Wednesday, August 28. The program begins on Friday, August 23, instead of Thursday, August 22 as formerly planned.

Friday, August 23

- AM 1. B. G. Greenberg, Department of Biostatistics, University of North Carolina - Developments in the use of order statistics in public health.
- 2. M. B. Danford, Department of Biometrics, USAF School of Aviation Medicine - The analysis of data constituting repeat measurements on individuals over time.
- PM 3. W. Hoeffding, Department of Mathematical Statistics, University of North Carolina - Existence conditions for various classes of non-parametric tests.

Saturday, August 24

- AM 1. R. J. Hader, Department of Experimental Statistics, North Carolina State College - Basic introduction and philosophy of the fitting of response surfaces.
- 2. D. A. Gardiner, Biometrics Unit, Oak Ridge National Laboratory - Rotatable designs for estimating third-order response surfaces in 2, 3, and 4 factors.
- PM 3. M. A. Kastenbaum, Biometrics Unit, Oak Ridge National Laboratory - The hypothesis of no interaction in multi-way contingency tables.

Sunday, August 25

- AM 1. S. N. Roy, Department of Mathematical Statistics, University of North Carolina - Contributions to multivariate analysis of variance including variance components analysis.

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2. A. C. Cohen, Jr., Department of Mathematics, University of Georgia - Truncated and censored samples.

PM No session scheduled.

Monday, August 26

- AM 1. John E. Freund, Department of Statistics, Virginia Polytechnic Institute - Some basic theory of stochastic processes with particular reference to Gaussian stochastic processes.
2. G. E. Albert, Department of Mathematics, University of Tennessee - Estimation of regressions in stationary, Gaussian stochastic processes with a continuous time parameter.
- PM 3. Panel discussion on the teaching of basic courses in statistics with particular emphasis on the teaching of business statistics. Note: This program is being planned by the Committee on Statistics and is a program associated with the meeting of the Regional Committee on Statistics.

Tuesday, August 27

- AM 1. R. L. Anderson, Department of Experimental Statistics, North Carolina State College - Factorials, fractional factorials, and confounding in the design of experiments.
2. C. Y. Kramer, Department of Statistics, Virginia Polytechnic Institute - On the use of factorials in classes of partially balanced incomplete block designs.
- PM 3. R. N. Pendergrass, Department of Mathematics, Radford College - Procedures and properties of a method for ranking in triple comparisons.

Wednesday, August 28

- AM 1. R. J. Freund, Department of Statistics, Virginia Polytechnic Institute - A survey of methods of linear and quadratic programming.
2. George Morton, London School of Economics and Institute of Statistics (North Carolina State College) -

PM No session scheduled.

ADDENDUM

) Program Committee:

Allyn W. Kimball, Biometrics Unit, Oak Ridge National Laboratory.

David B. Duncan, Department of Mathematical Statistics, University of North Carolina.

John R. Stockton, Bureau of Business Research, University of Texas.

Joseph J. Moder, Jr., Engineering Experiment Station, Georgia Institute of Technology.

Ralph A. Bradley, Department of Statistics, Virginia Polytechnic Institute.