May Meeting of the Rocky Mountain Section
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MAY MEETING OF THE MISSOURI SECTION

The annual meeting of the Missouri Section of the MAA was held at Missouri Southern College, Joplin, on April 30 and May 1, 1971; seventy-five persons were in attendance.

Professor Charles Stuth, Section Vice-Chairman, presided at the Friday afternoon session, during which Professor A. B. Willcox gave the invited address, "England was Lost on the Playing Fields of Eton: A Parable for Mathematics," and the following papers were presented:

1. *On Schauder decompositions, two norm spaces and pseudo reflexivity*, by P. K. Subramanian, Missouri Southern College.

2. *The lattice of faces of a convex cone II*, by G. P. Barker, University of Missouri, Kansas City.

3. *A note on topology*, by Troy Hicks, University of Missouri, Rolla.

4. *A geometric introduction to stability theory and Liapunov functions*, by Stephen Bernfeld, University of Missouri, Columbia.

5. *Indefinite Finsler spaces*, by J. K. Beem, University of Missouri, Columbia.

6. *Criteria involved in the formulation of definitions involving sets*, by Henry Polowy, Lincoln University.

Professor Rochelle Boehning, Section Chairman, presided at the Saturday session, during which Professor J. W. Keesee gave the invited address, "Weakly Continuous Cohomology Theories." Also a panel discussion on Accreditation and Certification was presented by: Professor Glen Haddock, moderator, and panel members, Paul Burcham, University of Missouri, Columbia; L. T. Shiflett, Southwest Missouri State College; Ray Balbes, University of Missouri, St. Louis; and Charles Stuth, Stephens College.

At the business meeting, the following officers were elected for 1971–1972: Professor Charles Stuth, Stephens College, Chairman; Professor Fred Wilke, University of Missouri, St. Louis, Vice-Chairman; and Professor Troy Hicks, University of Missouri, Rolla, Secretary-Treasurer.

JACK JOLLY, *Secretary-Treasurer*

MAY MEETING OF THE ROCKY MOUNTAIN SECTION

Weber State College, Ogden, Utah, hosted the fifty-fourth Annual Meeting of the Rocky Mountain Section of the MAA on May 7 and 8, 1971. There were 65 registrants, including Professor W. N. Smith, of the University of Wyoming, the Sectional Governor, and Professor R. W. Irvine of Weber State College, the Section Chairman. The invited address, "Paths on Polyhedra," was delivered by Professor Victor Klee of the University of Washington, President of the Association. H. P. Hofmann, Academic Vice-President of Weber State College, welcomed the Section at the banquet Friday evening.

The following officers were elected at the business meeting: Chairman, C. A. Swanson, Southern Colorado State College; Vice-Chairman, Robert Gutzman, Colorado School of Mines; Second Vice-Chairman, C. N. Podraza, Northeastern Junior College; Secretary-Treasurer, D. J. Sterling, Colorado, College.

The following four papers were read at the invitation of the program committee:

1. *Recent developments in geometric topology*, by L. C. Glaser, University of Utah.
2. *Calculus: CUPM's unused version*, by Ben Roth, University of Wyoming.
3. *Accreditation and certification*, by D. J. Sterling, Colorado College.
4. *Computer graphics and the head-mounted display*, by D. L. Vickers, University of Utah.

Ten papers were contributed and read on the program:

1. *A relation between π and greatest common divisors*, by David Ballew, South Dakota School of Mines and Technology.

2. *A generalization of a conjecture of Erdös*, by R. B. Crittendon, Portland State University.

3. *A generalized Riemann-Stieltjes integral*, by M. L. Klasi, South Dakota School of Mines and Technology.

4. *Self-directed study in mathematics*, by K. F. Klopfenstein*, Wilson Brumley, Darrell Perkins, Colorado State University.

5. *Partitions of a matrix*, by A. D. Porter, University of Wyoming.

6. *Generalized inverses of group homomorphisms*, by D. W. Robinson, Brigham Young University.

7. *Categorical methods applied to Pontryagin duality*, by D. W. Roeder, Colorado College.

8. *Incidence algebra and GF* $[q, x]$, by L. E. Shader, University of Wyoming.

9. *On an existence theorem for boundary value problems*, by W. G. Sutton*, South Dakota School of Mines and Technology, J. H. George, University of Wyoming.

10. *Arc length and the mean value theorem*, by S. G. Wayment, Utah State University.

In addition to the above papers, an exhibit of textbooks for use in the junior and community college curriculum was presented with the generous help of the following publishers: Addison-Wesley; Harcourt Brace Jovanovich; Harper and Row; Prindle, Weber and Schmidt; Scott Foresman; and Van Nostrand Reinhold.

D. J. STERLING, *Secretary-Treasurer*

CUPM AND THE MATHEMATICAL SOCIAL SCIENCE BOARD

The Mathematical Social Science Board and the Committee on the Undergraduate Program in Mathematics are seeking interesting problems or illustrative examples, from each of the social sciences, whose solutions and study make use of ideas and techniques from one or more of the following topics in undergraduate mathematics: sets and relations, differential and integral calculus, matrices and linear algebra, and probability.

We propose to collect such examples into a book mainly to be used by mathematics teachers and students as a source (1) of current social science applications of mathematics and (2) of material for textbook and classroom exercises to illustrate how topics in collegiate mathematics arise in a social science context. We also plan to include annotated bibliographies of articles and books involving applications of mathematics to the various social sciences.

The most preferred contribution would be an exposition giving (a) the social science problem and its background, (b) the reduction of the problem to mathematical form, (c) the mathematical analysis, perhaps with associated numerical results obtained on a computer, and (d) the meaning and insights provided by the mathematical analysis when related back to the original social science problem. Less desirable, but still very welcome, would be a reprint including material from which such an exposition could be extracted. References to the literature would also be helpful.

The CUPM-MSSB Project Committee presently consists of the following persons: D. W. Bushaw, Samuel Goldberg, Harold Kuhn, R. D. Luce, Henry Pollak.

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