

Rocky Mountain Section Report-1992 Meeting

The annual meeting of the Rocky Mountain Section was held April 10-11, 1992, on the campus of the Colorado College, in Colorado Springs, Colorado. The program chair was John Watkins. There were approximately 175 registrants.

The major address was "An Axiomatic Approach to the Integral" by Leonard Gillman, former president of the MAA. Dr. Gillman also gave the banquet address.

The program consisted of the following.

Workshops by: Florence Fasanelli of *SUMMA/MAA* (Subcommittee on Underrepresented Minorities in Mathematics) on "Pre-College Intervention Projects for Underrepresented Groups of Students"

Panels on: "Curricular Reform," Chaired by Jack Hodges, U. of Colorado at Boulder
"Math Programs for Underrepresented Groups," Chaired by Bill Jones, Xavier
"Calculus Reform," Chaired by Laurel Rogers, U. of Colorado at Colorado Springs
"Student Research," Chaired by David Jensen, U.S. Air Force Academy

Contributed talks. "Modeling the Growth of the AIDS Epidemic," Steven Janke, Colorado College
"Fractional Coloring," David Fisher, U. of Colorado at Denver
"Edge Coloring Graphs," Laura Hegerle, Colorado College
"Solving the Timetable Problem Using Bipartite Edge Coloring," John Wilson, UC-Denver
"General Studies Math: What and Why?," Earl Hasz, Metropolitan State College
"Mathematical Estimation by Preservice Teachers," Gail Gliner, Metropolitan State College
"Independence Results in Infinite Combinatorics," Janet Barnett, U. of Southern Colo.
"DERIVEing and Derinking," Terry Lay, Colorado College
"Using the TI-81 Graphics Calculator," Barbara Christensen, U. of Colo. at Denver
"Using the Geometry Supposer to Investigate the Koch Snowflake," Todd Johnson,
Ft. Lewis College
"Investigations of Hausdorff Dimension," Karin Reisbeck, Colorado College
"An Integral Equation with Advance and Delay Arguments," Tim Moreland, U. of Denver
"Conditional Graph Coloring," Karen Casey, U. of Colo. at Denver
"A Characterization of Graphs with Interval Two Step Graphs," Sarah Merz
U. of Colo. at Denver
"Teaching the Dot, Cross Product: An Interesting Example," Jose Cisneros,
Metropolitan State College
"Quantum Groups and the National Math Curriculum," Igor Szczyrba, U. of Northern Colo
"Neural Networks for Time Series Prediction," Ed Corwin and Antonette Logar,
South Dakota School of Mines and Technology
"Teaching Real Analysis at a Four Year College," Harold Davenport, Mesa State College
"Undergraduate Linear Algebra: A Proposed Syllabus," Duane Porter, U. of Wyoming
"Using a Horizontally Driven Pendulum to Study Chaos," John Starret,
Metropolitan State College
"Using a Horizontally Driven Pendulum to Illustrate Mathematical Modeling"
Rena Todd and Cathy Baxter, Metropolitan State College
"The Lipschitz Constant of Periodic Functions," Terry Chen, U. of Colo. at Denver
"Natural Gas, Geology & ODEs," Michael Lord, Research and Engineering Consultants
"Why Most Engineers Don't Use Undergraduate Math," Frank Witte, Martin Marietta

William C. Ramaley, Sec'y/Treas
Rocky Mountain Section MAA

Minutes of Executive Council Meeting and the Annual Business Meeting, Rocky Mountain Section of the MAA. April 11, 1992

Laurel Rogers convened the meeting of the Executive Council at Woerner Memorial Center at Colorado College at 7:15 am

Also present were: Bill Ramaley, Jack Hodges, Gail Gliner, Gary Grefsrud, and John Watkins.

Bill Ramaley gave the summary of the treasurer's report, showing the section had approximately \$853.12 in Checking and \$3,254.72 in savings (including \$1000 as a Short Course reserve fund.) Known outstanding debts were approximately \$250 to Colorado College in connection with the ongoing meeting.

Four publishers had each paid \$35 for an exhibitor fee and this was to help pay for the wine/cheese reception preceding dinner. There were doughnuts and coffee Friday afternoon and Saturday morning; these to be paid out of meeting income.

Armando Gingras, on behalf of Adams State College, had offered to host the 1993 meeting. It was decided to report this offer to the general business meeting.

Acting as a nominating committee, the Executive Committee put forth the names of Karen Whitehead (South Dakota School of Mines and Technology) and Tom Kelley (Metropolitan State College) as candidates for Chair-Elect.

Jack Hodges announced he will be unable to attend the Board of Governors meeting in August and asked for a volunteer in his place.

The Executive Committee adjourned at 8:25

Respectively submitted,

William C. Ramaley, Secretary/Treasurer, Rocky Mountain Section MAA

Minutes of Annual Business Meeting, Rocky Mountain Section, MAA, April 11, 1992

Laurel Rogers convened the meeting at 8:30 at Olin Hall on Colorado College. The minutes of the 1991 meeting at the University of Northern Colorado were accepted as circulated.

Treasurer Bill Ramaley presented a summary of the finances of the section. At the time of the meeting, the section had approximately \$3250 in savings and \$850 in a checking account with about \$250 in known debts and expenses incurred in connection with the ongoing meeting as yet unquantified.

The 1993 meeting was announced to be held at Adams State College in Alamosa, Colorado [Note: Since the business meeting, the location has been changed. It is to be at Colorado School of Mines in Golden, Colorado. Program Co-Chairs are Ardel Boes and Willy Hereman. The date is April 2-3, 1993]

The Nominating Committee put forth the names of Tom Kelley and Karen Whitehead for the position of Chairperson-Elect. Tom Kelley was elected.

Laurel Rogers was instructed to rework the Section's letter to the Colorado Department of Education, that "since the Colorado Department of Education approves college programs", they should require a mathematics course.

Governor Hodges urged members to contribute to the Greater MAA Building Fund. Our section has only had a dozen or so contributors

A discussion ensued about communication with the media. Jim Loats volunteered to help with this. He is assuming the management of the mathematics speakers list from R. R. Struik. Any suggestions about speakers from public schools or industry should go to Jim.

The CCTM will be meeting in Denver on October 16-17, 1992 and Jim Loats requests speakers contact him.

The Section gave Jack Hodges an award for Distinguished Teacher.

In closing the meeting, the Section voted to thank the Colorado College for its kind hospitality at these meetings. Appreciation was also extended to John Watkins for his outstanding organization of the meetings.

Officers for 1992-93 are:

Past Chair: Laurel Rogers, U. of Colorado at Colorado Springs

Chair: Gary Grefsrud, Fort Lewis College

Chair Elect Tom Kelley, Metropolitan State College

Vice Chair: Corrinne Brase, Arapahoe Community College

Secretary/ Treasurer: Bill Ramaley, Fort Lewis College

Governor of Section: Jack Hodges, U. of Colorado at Boulder

Program Co-Chairs: Ardel Boes and Willy Hereman, Colorado School of Mines

Respectively submitted,

William C. Ramaley, Secretary/Treasurer

Mathematical Association of America, Rocky Mountain Section