

1984 SPRING MEETING OF THE
ROCKY MOUNTAIN SECTION

The Sixty Seventh Annual Meeting of the Rocky Mountain Section was held on April 27-28, 1984 at the United States Air Force Academy in Colorado Springs, Colorado. Professor Lynn Steen of St. Olaf College presented the Annual Banquet Address, "1 + 1 = 0: Learning Our Lesson from the New 'New Math'".

The following twenty-one contributed papers were heard by the 100 members attending.

*Denotes students

- (1) *GENJI YOSHINO, University of Colorado, Boulder
"A Notes on Approximation of $n!$ "
- (2) *BORIS LERNER, University of Colorado, Boulder
"Applications of Harmonic Analysis to Number Theory"
- (3) *T. J. SAKULICH, United States Air Force Academy
"A Summer of Applied Math with NASA"
- (4) RICHARD L. ROTH, University of Colorado, Boulder
"Symmetric Colorings vs. Color Groups"
- (5) *LOWELL SMYLIE, University of Wyoming
"On Unique Critical Points in the Plane"
- (6) *SHANE HUBLER, Colorado College
"Recursion Relations in Summation Formulas"
- (7) *CECILE DURAY-BITO, University of Colorado, Boulder
"Is Mathematical Thinking Artistic or Artistic Thinking
Mathematical?"
- (8) *KENT D. CHOQUETTE, University of Colorado, Boulder
"Group Theory and Crystallography"
- (9) CHRISTOPHER BALTUS, University of Northern Colorado
"Relational Approximation, Continued Fractions and Fixed Points"
- (10) RICHARD A. GIBBS, Fort Lewis College
"The Bliss Principle"
- (11) BONNIE HENRIKSON, South Dakota School of Mines and Technology
"Making Sense Out of Dollars: A Study of Faculty Salaries at
SDSM&T"
- (12) PAUL O'MEARA, University of Colorado at Denver
"Necessary and Sufficient Conditions for Metrizable of $C(X)$
With the Compact-Open Topology"

- (13) ROBERT S. FISK, Colorado School of Mines
"Computer Generated Insights Into Number Theory Results"
- (14) TERRY L. JENKINS, University of Wyoming
"Programs for the Gifted and Talented"
- (15) DAVID BALLEW, South Dakota School of Mines and Technology
"How to Handle Large Classes"
- (16) THOMAS E. KELLEY, Colorado School of Mines
"Something Old"
- (17) *LLOYD BEST, Colorado School of Mines
"Something New"
- (18) JOHN PETRO, United States Air Force Academy
"Real Division Algebras of Dimension > 1 Contain \mathbb{C} "
- (19) HUNG C. LI, University of Southern Colorado
"Integral Solutions of the Gamma Equation $\Gamma(x) = \Gamma(y)\Gamma(z)$ "
- (20) BOB TOLAR, University of Northern Colorado
"Algorithms for Sorting"
- (21) JAMES C. DAVIS, Mesa College
"My Impressions of Chinese Education"

There were five invited addresses:

- (1) GENE ABRAMS, University of Colorado at Colorado Springs
"A New Look at Sub-Rings"
- (2) DEAN LUCAS, Chief Scientist, Interactive Systems
"New Mathematical Techniques in Image Understanding"
- (3) IRA ROSENHOLTZ, University of Wyoming
"Tackling a Ticklish Type of TIC-TAC-TOE (or The Case of the
(Almost) Total Tactics): II"
- (4) LYNN ARTHUR STEEN, St. Olaf College
"Math and Computer Science: A Case Study in Marriage and Divorce"
- (5) RON O. WELLS, Rice University
"Geometry and the Universe"

The following panel discussion was presented:

"Discrete and Indiscrete Thoughts on the First Two Years"

Moderator: DAVID BALLEW, South Dakota School of Mines & Technology
 Panelists: KAREN WHITEHEAD, South Dakota School of Mines & Technology
 JOHN MAYBEE, University of Colorado, Boulder
 PAUL MYERS, Denver University

Carl Kerns of Mesa State College presided at the Annual Business Meeting with 28 members attending. The Minutes and Treasurer's Reports were approved. The following officers were elected for 1984-85.

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| Chairperson | Ruth Struik University of Colorado at Boulder |
| Chairperson-Elect | Stephen Bronn University of Southern Colorado |
| Vice Chairperson | Marie Ritten National College |
| Program Chairperson | Alan Skillman Casper College |
| Secretary/Treasurer | David Ballew South Dakota School of Mines and Technology |

Jack Hodges of the University of Colorado at Boulder gave the Governor's Report and introduced the new Governor, Gary Grefsrud of Ft. Lewis College.

Ruth Rebekka Struik gave a report on the Lectureship Program. There have been twenty-two presentations this year.

The student paper winners were:

Shane Hubler - Colorado College
 Kent Choquette - University of Colorado at Boulder
 Boris Lerner - University of Colorado at Boulder
 T.J. Sakulich - United States Air Force Academy

Respectfully submitted,



David Ballew, Sec/treas
 Rocky Mountain Section MAA