

## Schedule for the 1999 ACMS Conference

(All sessions in Jenks 406 unless otherwise noted)

### Wednesday, May 26

5:30-6:30 Dinner (Lane Student Center)

7:00-9:00 Opening Session (Lane Student Center - President's Dining Room)

- 7:00-7:15 Welcome and Introductions  
Alice Iverson, North Park College, ACMS Board President  
Richard Stout, Gordon College
- 7:15-7:40 "Mathematics in a Post-Modern World: A Christian Perspective." An Introduction to this Project.  
James Bradley, Calvin College and Russell Howell, Westmont College
- 7:40- 9:00 Reviews of Books of Common Interest
1. David J. Stucki, Otterbein College - Fashionable Nonsense: Postmodern Intellectuals' Abuse of Science by Alan Sokal and Jean Bricmont.
  2. Michael O'Leary, Concordia University, River Forest, Illinois - An Imaginary Tale : The Story of the Square Root of Minus One by Paul Nahin.
  3. Kevin Vander Meulen, Redeemer College - Revolutions in Mathematics by Donald Gilles.
  4. Maria Zack, Point Loma Nazarene University - The Man Who Loved Only Numbers: The Story of Paul Erdos and the Search for Mathematical Truth by Paul Hoffman.
  5. Chuck Hampton, College of Wooster - The Language of Mathematics. Making the Invisible Visible by Keith Devlin.
  6. Jonathan Senning, Gordon College - Virtual Gods: The Seduction of Power and Pleasure in Cyberspace Edited by Tal Brooke.
  7. Mary Vanderschoot, Concordia College, Moorhead, Minnesota - The Number Sense: How the Mind Creates Mathematics by Stanislas Dehaene.
  8. Stephen Brown, Olivet Nazarene University - Math: Facing an American Phobia by Marilyn Burns.
  9. Richard Rockwell, Pacific Union College - Philosophy of Mathematics by W.G. Anglin
- 9:00 Reception (Lane Student Center - Chapel Dining Room)
- 9:30 Videos: 1. "The Proof"  
2. "The Future of Number Theory: A Talk by Andrew Wiles"

**Thursday, May 27**

- 7:15-7:50 Breakfast (Lane Student Center)
- 8:00-8:15 Musical Interlude and Singing (Jenks 406)
- 8:15-8:20 Welcome and Announcements
- 8:20-8:50 Willing the Will of God, Part 1: God Did Not Make Me a Stone  
Harold Heie, Gordon College
- 8:50-9:50 Euler's Sums and Euler's Crumbs - Part 1  
William Dunham, Muhlenberg College
- 9:50-10:10 Break
- 10:10-11:10 A Psychological Perspective on Mathematical Thinking  
Scott VanderStoep, Calvin College
- 11:15-11:45 A Critical Response to Reuben Hersh's "What Is Mathematics, Really?"  
David J. Stucki, Otterbein College
- 11:45-12:15 Doubt and Certainty, Math and Physics  
Richard Laatsch, Miami University
- 12:15-1:30 Lunch (Lane Student Center), ACMS Board Meeting
- 1:30-1:45 A Mathematician at the Science and Theology Book Club  
Greg Crow, Point Loma Nazarene University
- 1:45-3:00 What About Distance Learning--Some Reflections and Discussion  
Ed Reinke, Concordia University and Michael Stob, Calvin College
- 3:00-3:20 Break
- 3:20-4:20 Teaching and Learning Mathematics: The Influence of Constructivism and a  
Christian Response  
David Klanderma, Trinity Christian College
- 4:30-5:20 Discussion Groups
1. What should be the role of the ACMS in the national meetings of the MAA and AMS?  
(Jenks 218)
  2. Concerns related to teaching computer science. (Jenks 220)
  3. Planning for retirement. (Jenks 211)
  4. The use of supplementary readings in mathematics courses. (Jenks 213)
- 5:30-6:30 Dinner (Lane Student Center)
- 7:30 Mathematical Aspects of the Music of Bach (Prince Chapel)  
Victor Hill, Williams College

## Friday, May 28

- 7:15-7:50 Breakfast (Lane Student Center)
- 8:00-8:15 Musical Interlude and Singing (Jenks 406)
- 8:15-8:20 Welcome and Announcements
- 8:20-8:50 Willing the Will of God, Part 2: What is Important?  
Harold Heie, Gordon College
- 8:50-9:50 Euler's Sums and Euler's Crumbs- Part 2  
William Dunham, Muhlenberg College
- 9:50-10:15 Break, Conference Photograph
- 10:15-11:15 Religious Beliefs and Mathematics in Pre-modern Cultures  
Glen VanBrumelen, The King's University College
- 11:15-12:00 Tracking Trochoids on Safari  
Andrew Simoson, King College
- 12:00-1:00 Lunch (Lane Student Center)
- 1:15-1:45 ACMS Business Meeting
- 1:45-2:45 Contemporary Viewpoints on the Nature of Mathematics (Lane Student Center -  
President's Dining Room)  
Paul Zwier, Calvin College
- 2:45-3:00 Break
- 3:00-3:40 Parallel Session I
- Noncommutative Projective Geometry (Jenks 406)  
Dennis S. Keeler, University of Michigan
- Solving Polynomial equations of Degree 6. (Jenks 213)  
Alain Togbe, Boston, Massachusetts
- 3:45-4:30 Parallel Session II
- Using Mathematica to Teach Abstract Algebra (MacDonald 110)  
Al Hibbard, Central College
- Hyperbolic Geometry and Poincare's Half-Plane Model (Jenks 406)  
Bob Frank, Seton Hill College
- 4:30-5:30 Informal Discussion with Bill Dunham (Tavilla Conference Room)  
Facilitator: Russ Howell, Westmont College
- 6:30 Reception and Banquet (Lane Student Center - Easton Dining Room)  
Banquet Speaker: Dave Neuhouser, Taylor University - "Lewis Carroll: Author,  
Mathematician, and Christian"

**Saturday, May 29**

- 7:30-8:15      Breakfast (Lane Student Center)
- 8:30-9:30      Determinism, Chaos, and the Meaning of Probability  
                    John Wicks, North Park College
- 9:30-10:45     Can Mathematics be Taught in a Christian Way?, A Presentation and Discussion  
(Lane Student Center - President's Dining Room)  
                    Johan de Klerk, Potchefstroom University, Potchefstroom, South Africa
- 11:00-12:00    Worship Service (Prince Chapel)  
                    Worship led by Gene Chase, Messiah College  
                    Speaker: Harold Heie, Gordon College - Willing the Will of God, Part 3:  
                    Putting in Good Minutes, One at a Time
- 1:00 - 9:00     Trip to Boston - Bus leaves Gordon at 1:00PM and will return at approximately  
                    9:00PM