Iowa Section Meeting of the Mathematical Association of America —

April 4-5, 2003 University of Northern Iowa, Cedar Falls

Friday, April 4

1:30-4	1.30	Registration and Exhibits	Wright 5	
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2:00-4	1:30	Concurrent Session 1	Wright 7	chair: Al Hibbard
2:00	On the	Use of Computer Algebra Syntax Central College	in the Calculus	Classroom, Russell Goodman,
2:30	Using the Pivot Package in Linear Algebra and Finite Mathematics, Al Hibbard, Central College			
3:00	The Classical Ramsey Number R(3,3,3,3;2) Is No Greater Than 62, Richard Kramer, Iowa State University			
3:30* 4:00	An Elementary Integration Arising in Astronomy, Joseph C. Keller, Iowa State University What it Took Sylvester 3 Days to Do, I Can Do in 2, A. M. Fink, Iowa State University			
2:00-4	1:30	Concurrent Session 2	WRT 109	chair: Murphy Waggoner
2:00	What's	Your Angle? The Role of Definiti Maharishi University of Managem	ons in Algebra : ent	and Geometry, Cathy Gorini,
2:30	Mathematics Without Words: A project to study visual representations of mathematical ideas, M. E. (Murphy) Waggoner, Simpson College			
3:00		st Fitting Line, Irvin Roy Hentzel,		
3:30	The Number of E-ban Numbers: It Can Go Either Way, Charles Ashbacher, Journal of Recreational Mathematics, Mount Mercy College			
4:00	Orders Of L-Shaped Polyominoes, Charles Jepsen, Grinnell College			
2:00-4		Concurrent Session 3		
2:00	The La	rgest Impossible Bet , Ronald K. Sr	nith, Graceland I	University
2:30	John Graunt, John Arbuthnott, and the Emergence of Statistics, R. B. Campbell, University of Northern Iowa			
3:00	On the Number of 10001 Strings in Certain Bernoulli Trials, and Random Permutations Sunder Sethuraman, Iowa State University			
3:30	Periodic point numbers and group structure - or 'the world's two weirdest primes', Christian Roettger, Iowa State University			
4:00*	Mathen	natica-Aided Propagation Phenom Iowa	nena in Operato	r Theory, Jasang Yoon, University of
4:45-5		Round Table Discussion	_	
	Teache	r Certification in Iowa, Joyce Becl Catherine Miller, University of No		ge; Rob Keller, Loras College;

Dinner on your own

7:30-9:00 Plenary Session 1 and Reception Sabin 102
"I Know It's True, I Just Can't Prove It!", E. Todd Eisworth, University of Northern Iowa

^{* (**)} indicates a talk by a graduate (undergraduate) student.

Saturday, April 5

- 8:30-8:45 Official Welcome Sabin 102 Kichoon Yang, Dean, College of Natural Sciences, University of Northern Iowa Plenary Session 2 Sabin 102
 - Finding Your Way in a Graph, Ronald Graham, University of California, San Diego and President of the MAA
- 10:00-10:50 Plenary Session 3 Sabin 102
 Undergraduate Programs and Courses in the Mathematical Sciences: A CUPM Curriculum
 Guide, Herbert E. Kasube, Bradley University and MAA CUPM
- 10:00-1:00 **Undergraduate Student Competition** Wright, Sabin, and Seerley Halls Ruth Berger, Luther College
- 11:00-11:50 Concurrent Round Table Discussion 1 Sabin 129
 MAA Student Chapters, Cathy Gorini, Maharishi University of Management
- 11:00-11:50 Concurrent Round Table Discussion 2 Sabin 102
 Cooperation among Mathematics Departments in the State, Jim Freeman, Cornell College
- 12:00-12:50 **Iowa Section of the MAA Business Meeting** Sabin 102 Steve Nimmo, Morningside College, Chair of the Iowa Section of the MAA

Lunch on your own

- 2:00-4:30 Concurrent Session 4 Wright 7 chair: Bernadette Baker
- 2:00** Searching for (96, 20,4) Difference Sets, Logan Axon, Grinnell Colllege
- 2:30** (96,20,4) Difference Sets and Designs, Nathan Gotman, Grinnell College
- 3:00 Reliable functions to build phylogenetic trees using minimum evolution, Stephen J. Willson, Iowa State University
- 3:30 Thematization Of The Calculus Graphing Schema, Laurel Cooley, York College-CUNY; Bernadette Baker (presenter), Drake University; María Trigueros, ITAM
- 4:00** Optimal Voting Strategies for The Weakest Link, Amy Winter, Cornell College
- 2:00-4:30 Concurrent Session 5 Wright 9 chair: Russell Campbell
- 2:00 Experience of the DevMap Approach to Elementary Algebra, Anne Dow, Maharishi University of Management
- 2:30 Infinite Series for Logarithms using Cyclotomic Polynomials and Aurifeuillian Identities,
 Marc Chamberland, Grinnell College
- 3:00 Association Schemes Are Everywhere, Sung-Yell Song, Iowa State University
- 3:30 Programming Buttons in Mathematica, Al Hibbard, Central College [Note: This session will meet in Wright 112.]
- 2:00-4:00 Concurrent Session 6 Wright 10 chair: Jonathan D. H. Smith
- 2:00 Trisecting an Angle, Phil Wood, Baxter, Iowa
- 2:30 An information-theoretic approach to demography, Jonathan D. H. Smith, Iowa State University
- 3:00** Octagon Loops, Emily Wergin, Grinnell College
- 3:30** Comparing the SAT and ACT, Ben Jones, Grinnell College
- * (**) indicates a talk by a graduate (undergraduate) student.