

Kentucky Section of the Mathematical Association of America
Bellarmino University – March 30-31, 2012

SATURDAY 8:00 – 11:00		Registration / Refreshments/Book Sales 1st Floor of Horrigan Hall				
8:00 – 11:15		Origami Exhibit (Horrigan 108)				
	HORRIGAN 102	HORRIGAN 103	HORRIGAN 104	HORRIGAN 105	HORRIGAN 106	HORRIGAN 107
8:00 – 8:15	Samantha McKean(u), Luke Yap(u), Daniel Dilger(u), Bruce Kessler(f) WKU <i>The Ricky McCormick Murder Notes I: Background and Initial Attempts at Decoding the Notes</i>	Nathan Gambrell (u) NKU <i>Construction of a Kid Krypto Algorithm</i>		Jorge Chang (u) Morehead State U <i>Kentucky Rook: How to Win</i>	Ryan Walls (g) Murray State U <i>A Binary Integer Programming Model for the Optimal Location of Fire Stations: A Case Study of Murray, KY</i>	Ghan Bhatt (f) Tennessee State U <i>Finite Frames in Application</i>
8:20 – 8:35	Luke Yap(u), Daniel Dilger(u), Samantha McKean(u), Bruce Kessler(f) WKU <i>The Ricky McCormick Murder Notes II: Background and Initial Attempts at Decoding the Notes</i>	Tyler Clark (g) WKU <i>Continued Radicals and Cantor Sets</i>	Tarah Cole (u) NKU <i>Assessment of Risk Factors for Truancy of Children in Grades K-12 Using Survival Analysis</i>	Zac Bettersworth (u) Georgetown College <i>Space Time Approach to Rafting Trip</i>	James Little (u) & Jennifer Birriel (f) Morehead State U <i>Long-Term Monitoring of Night-Time Sky Brightness in Morehead KY</i>	Andy Martin (f) Kentucky State U <i>Inconsummate Numbers</i>
8:40-8:55	Daniel Dilger(u), Samantha McKean(u), Luke Yap(u), Bruce Kessler(f) WKU <i>The Ricky McCormick Murder Notes III: Background and Initial Attempts at Decoding the Notes</i>	David Coulliette (f) Asbury U <i>Rate-Limited Sorption Modeling in Contaminant Transport</i>	Alex McAllister (f) Centre College <i>Mathematics and Drama in Ancient Greece</i>	Tony Bankemper (u) NKU <i>Binary Disruption in Embedded Clusters</i>	Elizabeth Krantz (g) WKU <i>Sharpening the Boundaries of the Sequential Probability Ratio Test</i>	Michael McCord (u) Morehead State U <i>Upper Bounds on Crossing Numbers of Knots in Radius 2 Hextile Knot Mosaics</i>

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9:10 –10:00	2010 Distinguished Teaching Award Address Christie Perry (Morehead State University) “The Kentucky Core Academic Standards: Opportunity and Challenge” (Amy Cralle Theatre in Wyatt Hall)				
10:00- 10:25	Elections Amy Cralle Theatre in Wyatt Hall				
	HORRIGAN 103	HORRIGAN 104	HORRIGAN 105	HORRIGAN 106	HORRIGAN 107
10:30 –10:45	William Holbrook II (u) Morehead State U <i>Approaching the Problem Through Composition of Solutions</i>	April York (u) Transylvania U <i>Digit After Digit of Divisibility?: Generating Sequences of Composite Numbers</i>	Russell Brown (f) UK <i>Central Kentucky Mathematics Circles</i>	Zachariah Casey (u) NKU <i>Darboux Springs</i>	Lan Nguyen (f) WKU <i>Taylor Series of Solutions of Differential Equations</i>
10:50 –11:05	Cyrus Hettle (u) & Robert Schneider (u) UK <i>Al-Jabar: A Mathematical Game of Strategy I</i>	Ronnie Howard (u) Morehead State U <i>Statistical Mechanics and Knot Mosaics</i>	Daniel Curtin (f) NKU <i>The History of the KYMAA</i>	Beth Bradley (f) U of L <i>Using a 3D Finite Volume for the Pressure Gradient Force in Atmospheric Models</i>	Scott Brabon (u), Rebecca Gaul (u), Laura Hochstetler (u) Asbury University <i>Whatever Floats Your Boat</i>
11:10 –11:25	Cyrus Hettle (u) & Robert Schneider (u) UK <i>Al-Jabar: A Mathematical Game of Strategy II</i>	Anne Raymond (f), Bill Fenton (f) & Mike Ackerman (f) Bellarmino U <i>A Mathematics Capstone Course</i>	Robin Blankenship (f) Morehead State U <i>Understanding ≠ Remembering</i>	Matias von Bell (u), David Musser (u), Laura Smith (u) Asbury University <i>Leaf it to Math</i>	ryiah Loper (home school student) Wilmore <i>Unit Origami and its Geometry</i>
11:40 – 12:40	Invited Address Robert Devaney (Boston University) “The Fractal Geometry of the Mandelbrot Set” (Amy Cralle Theatre in Wyatt Hall)				
12:45 – 1:45	Luncheon and Business Meeting University Dining Hall Ground Floor of Communications Building				
1:45	KYMAA Executive Committee Meeting				