

**Student Papers Presented at the Fall 2001 MAA/NES Section Meeting:**

*Arrow's Theorem and the Plurality Vote.*

Catherine Makofske, Massachusetts College of Liberal Arts  
*Ranking College Football Teams: Fallout of the Borda Voting Method.*

Mike Mazzantini, Massachusetts College of Liberal Arts  
*Demographic Shifts: A Statistical View of China's One Child Policy.*

Eireann Kiley, Massachusetts College of Liberal Arts  
*Shattered Sets in Paley Digraphs.*

Hester Graves, Wellesley College  
*An Application of Vectors to Pixel Graphics.*

Ralph Fellows, Bridgewater State College  
*The Game of Life.*

Craig Sheil, Keene State College  
*Abstraction of Images in the Mind and in Mathematics.*

Marylea Ryan and Gayle Gossett-Otwell, Smith College  
*Pollack's Conjecture.*

Brian Bayerle, Providence College  
*Collatz Numbers.*

Patrick Boland, Providence College  
*Evens, Primes, and the Fundamental Theorem of Arithmetic.*

Ryan Purcell, Western New England College

**Contributed Papers Presented at the Fall 2001 NES/MAA Section Meeting**

*A Long Cycle on the Middle Graph of the Hypercube.*

Mahmoud El-Hashash, Bridgewater State College  
*The Category of Long Exact Sequences and the Homotopy Exact Sequence of Modules.*

C. Joanna Su, Providence College  
*Low-dimensional Modeling in Annular Convection.*

Dan Rusu, Massachusetts College of Liberal Arts  
*A Few Sports Related Applications of Mathematics and Statistics*  
( or: How I spent my four years in the Seaway Section... ) .  
Rick Cleary, Bentley College

*Electoral College Reform: A New Paradigm for Electoral Arithmetic.*  
Jim Wright, Green Mountain College

*Math Online: Moving Mathematics into the Lab.*  
Chris Bernhardt, Laura McSweeney, Steve Sawin and Joan Weiss,  
Fairfield University

*Maple and The Wireless Laptop In Calculus III at Framingham State College.*  
Sarah L. Mabrouk, Framingham State College

**New Faculty talks Presented at the Fall 2001 NES/MAA Section Meeting**

*Can We Three-Edge Color Origami Tori?*

Sarah-Marie Belcastro, Bowdoin College  
*Representing Graphs as Matrices - Pictures by Numbers.*

Jason Moliterno, Sacred Heart University  
*Using the Internet To Enhance the Teaching and Learning of Intermediate Algebra.*

Emmitt Dennis, Southern Connecticut State University  
*An Algorithm for Finding Rational Interpolating Functions with  
Control Constraints.*

Rebecca Sparks, Rhode Island College  
*Symmetry and the Model Independent Approach.*

Dan Rusu, Massachusetts College of Liberal Arts  
*Curvature in Noncompact Manifolds.*

Stanley S. Chang, Wellesley College  
*Isospectrality Conditions for Regular Graphs.*

Gregory Quenell, Mt. Holyoke College