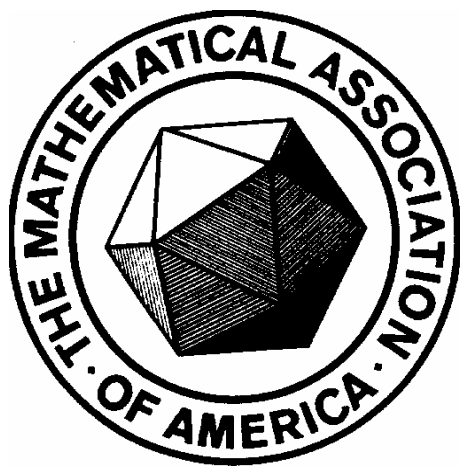# The Mathematical Association of America
New Jersey Section

50th Anniversary Meeting
Georgian Court University
Lakewood, NJ
in conjunction with the third annual
Garden State Undergraduate Mathematics Conference

Saturday, April 8, 2006

Abstracts and Biographies of Speakers

Chaos Games and Fractal Images
Robert L. Devaney, Boston University

In this lecture we will describe some of the beautiful images that arise from the "Chaos Game." We will show how the simple steps of this game produce, when iterated millions of times, the intricate images known as fractals. We will describe some of the applications of this technique used in data compression as well as in Hollywood. We will also challenge students present to "Beat the Professor" at the chaos game and maybe win his computer.

A native of Methuen, Massachusetts, **Robert L. Devaney** is currently Professor of Mathematics at Boston University. He received his Bachelors degree from Holy Cross in 1969 and his PhD from the University of California at Berkeley in 1973 under the direction of Stephen Smale. He taught at Northwestern University and Tufts University before coming to Boston University in 1980.

His main area of research is dynamical systems, primarily complex analytic dynamics, but also including more general ideas about chaotic dynamical systems. Lately, he has become intrigued with the incredibly rich topological aspects of dynamics, including such things as indecomposable continua, Sierpinski curves, and Cantor bouquets.

He is the author of over ninety research papers in these fields. He is also the (co)-author or editor of a dozen books on various aspects of dynamical systems theory. Professor Devaney has delivered over 1,300 invited lectures on dynamical systems and related topics in all 50 states in the US and in over 30 countries on six continents worldwide. (He only needs Antartica to complete his goal of speaking on all continents ---so if you teach at South Pole State and run some kind of seminar, give him a call!)

In 1994 he received the Award for Distinguished University Teaching from the Northeastern section of the Mathematical Association of America. In 1995 he was the recipient of the Deborah and Franklin Tepper Haimo Award for Distinguished University Teaching at the annual meeting of the Mathematical Association of America. In 1996, he was awarded the Boston University Scholar/Teacher of the Year Award. In 2002 he received the National Science Foundation Director's Award for Distinguished Teaching Scholars. In 2002, he also received the ICTCM Award for Excellence and Innovation with the Use of Technology in Collegiate Mathematics. In 2003, he was the recipient of Boston University's Metcalf Award for Teaching Excellence. In 2004 he was named the Carnegie/CASE Massachusetts Professor of the Year. In 2005 he received the

Trevor Evans Award from the Mathematical Association of America for an article entitled "Chaos Rules," published in Math Horizons.

Why Historical Truth Matters to Mathematicians:
Dispelling Myths while Promoting Maths
Judith Grabiner, Pitzer College

I'll recount seven myths about the development of mathematics that I have encountered in my career as a historian of mathematics. For instance, here's one you have probably encountered too: It is often said that Newton invented the calculus just to do his physics. Did he?

The examples to be discussed range from antiquity to the twentieth century. I hope to provide a more accurate (and more interesting!) story for each. I will also also explain what is at stake in getting each of them right: the general point is that it helps us understand the way mathematics actually develops and thus how to make our own work more fruitful -- and better appreciated by the rest of humanity.

Judith V. Grabiner got her B. S. in Mathematics from the University of Chicago in 1960, and her Ph. D. in the History of Science from Harvard in 1966. She is the author of two books and numerous articles on the history of mathematics; her book *The Origins of Cauchy's Rigorous Calculus* has just been reprinted by Dover. She has won the Lester Ford award for articles of expository excellence in the American Mathematical Monthly on three separate occasions, and the Carl Allendoerfer award for outstanding articles in the Mathematics Magazine three times as well. In 2003 she received the Deborah Tepper Haimo Award for excellence in college or university teaching from the Mathematical Association of America. Currently she is the Flora Sanborn Pitzer Professor of Mathematics at Pitzer College in Claremont, California.

Eulerian Numbers and Worpitsky's Identity
Roger Pinkham, Stevens Institute of Technology

One of Euler's many investigations had as a side result certain polynomials. J. Worpitsky [1883] found their coefficients satisfied an intriguing but puzzling identity. In this talk I hope to effectively highlight these "Eulerian" numbers and to make clear the reason for the intriguing identity.

Roger Pinkham's parents were son and daughter of lighthouse keepers. His father had to row a mile to the mainland to enable walking a mile to high school. Roger was the first to leave the coast of Maine and go away to college: first to the University of Maine, then to Harvard with detours to Woods Hole

Oceanographic Institute and Arthur D. Little. A post-doc at Princeton under John Tukey was a pure joy, as was working with George Box and side trips to Bell Telephone Laboratories. For the last 40 years he has taught at Stevens Institute of Technology.

Abstracts of MAA-NJ contributed paper sessions

Session 1: History of Mathematics, Arts and Sciences Building Little Theater
Organizer and Presider: Lawrence D'Antonio, Ramapo College of New Jersey

1:30-1:45

> Brian Hopkins, St. Peter's College, bhopkins@spc.edu
> **Euler's Squares**
>
> Among Euler's incredible contributions to mathematics are three papers that address squares of numbers: Latin squares, magic squares, Graeco-Latin squares, and knight's tours of various chessboards. We will survey Euler's results, the connections he made between these topics, and subsequent connections that are still being researched today.

1:50-2:05

> Rob Bradley, Adelphi University, bradley@adelphi.edu
> **Whose Theorem Is It Anyway?**
>
> When a modern theorem bears two names, like the Feit-Thompson Theorem, it's usually an indication of collaboration. Not so with older theorems: Bolzano and Weierstrass never met, and Heine died when Borel was only 10 years old. The history of mathematics is replete with incidents of independent rediscovery or reinterpretation that have led to theorems with multiple attributions. We examine this phenomenon, paying particular attention to a theorem variously attributed to Euler, Descartes or both.

2:10-2:25

> Ed Sandifer, Western Connecticut State University, esandifer@earthlink.net
> **Newton vs Leibniz in the Classroom: Theorem First or Example First?**
>
> Newton and Leibniz disagreed on more than just who first discovered calculus. There was a basic philosophical rift over the way that science and mathematics should be done. Echoes of the dispute still ring today,

and one forum for the dispute is the question indicated by the title: What should come first, the theorem or the example?

2:30-2:45

Lawrence D'Antonio, Ramapo College of New Jersey, ldant@ramapo.edu
Brockway McMillan: the first speaker at the first MAA-NJ meeting

On November 3, 1956 Brockway McMillan gave the first lecture at the first meeting of the New Jersey section of the MAA. The title of his lecture was "Mathematics in Communication". McMillan played a major role in the development of information theory, working alongside Claude Shannon at Bell Labs. The fundamental theorem of information theory is often called the Shannon-McMillan Theorem. Besides his role as a researcher, McMillan became a Vice President at Bell Labs and held various positions within the Kennedy and Johnson administrations. This talk will examine the career of Brockway McMillan and also give details of that first meeting of MAA-NJ.

2:50-3:05

Carol Avelsgaard, Middlesex County College, Carol_Avelsgaard@middlesexcc.edu
History of Mathematics: A Liberal Arts Course

In Music Appreciation 101, a part of a liberal arts curriculum, students are introduced to classical composers and to various musical forms. A course in the history of mathematics that introduces students to classical mathematicians and various forms of mathematics should also be part of a liberal arts curriculum. Even though most students who are not majoring in mathematics or in one of the sciences usually have no more background in mathematics than one or two courses in elementary algebra, they can read and understand some of the classics of mathematics in the same sense that they can understand a sonata without being required to write one.

Session 2: General Contributed Papers I, Arts and Sciences Building 103
Organized by Theresa C. Michnowicz, New Jersey City University
Presider: Karen D. Ivy, New Jersey City University

1:30-1:45

John Snygg, jsnygg@earthlink.net
Life and Times of Leonhard Euler

Euler is usually considered to be an ivory tower academic. However many historical events had a significant impact on his life. For example if Peter II had not died of small pox at the age of 14, Euler might have been forced to give up a promising career in mathematics to become a medical officer in the Russian navy. Euler contributed to the science of ballistics for both Russia and Prussia. While living in Prussia, he collected salaries from both Prussia and Russia even when the two countries were at war.

1:50-2:05

Carlos Bovell, Northern Burlington Regional High School, carlosbovell@yahoo.com
Aristotelian Geometric Ideals and Decartes' Metapysical Foundationalism

I begin with a general discussion of how Aristotle gleaned portions of his conception of demonstration from geometry but propound that his was an ideal that not even geometry pretended to live up to. Then, after making a two-thousand-year leap forward in time, I consider how the unresolved disparity between Aristotle's ideal and actual geometric practice formatively contributed to Descartes' revolutionary approach to metaphysics.

2:10-2:25

Jay L. Schiffman, Rowan University, Schiffman@rowan.edu
Some Fascinating Integer Sequences

The On-Line Encyclopedia of Integer Sequences managed by Neil J.A. Sloane furnishes a treasure trove of fascinating sequences in numerous branches of mathematics. It is certainly an ideal reference for potentially stimulating research. In my presentation, a number of dynamic sequences from various branches of mathematics will be explored. These brances will entail number theory, group theory, and discrete mathematics. Participants are invited to resolve the question of securing the next term in the sequence and explaining the connection to a specific area of mathematics.

2:30-2:45

David Nacin, William Peterson University, Nacind@wpunj.edu
The Algebras Q_n

The algebras Q_n describe the relationship between the roots and coefficients of a non-commutative polynomial. The algebras P_n are quotients corresponding to n-vertex paths in the graph K_n. For any n we will show P_n is PBW (and hence Koszul) by producing labelings of graphs that describe the interaction of generators in P_n.

2:50-3:05

B. Lynn Bodner, Monmouth University, bodner@Monmouth.edu
Mudéjar Friezes of Seville's Real Alcázar

Contemporary with the Alhambra, the Real Alcázar was rebuilt in 1364 as a palace in the Mudéjar style for Pedro the Cruel, king of Castile (1334 - 1369). Although there have been alterations and additions over the centuries, this remarkably well-preserved palace retains its Islamic character, containing some of the most beautiful examples of Mudéjar alicatado from this time period. This paper will briefly discuss and then illustrate examples of the seven possible one-dimensional symmetry groups found in the frieze pattern designs present in the alicatado of the Alcazar. Each pattern, most of which are recognizably Islamic in character, will also be classified as to the symmetry elements it permits.

Session 3: General Contributed Papers II, Arts and Sciences Building 104
Organized by Theresa C. Michnowicz, New Jersey City University
Presider: Aihua Li, Montclair State University

1:30-1:45

Bingtuan Wang, Montclair State University and Beijing Jiaotong University, wangb@mail.montclair.edu, and Qinsheng Liu, University of Science & Technology Beijing
Legendre Orthogonal Polynomial Neural Network and Imitating Examples

According to the characteristic of the orthogonal polynomials and the structure of RBF network, this paper proposes a new type of artificial neural network. This network uses Legendre orthogonal polynomials on the interval [-1, 1] as the radial basis. It keeps the basic advantages of Radial-Basic-Function network and avoids the trouble of seeking the center and variance of Radial-Basic-Function.

This paper investigates some practical computer simulation cases and numerical computation for Legendre Polynomial Neural Network. The

computer imitation shows that Legendre Polynomial Neural Network converges much faster than BP neural network.

1:50-2:05

Philip H. Demp, Temple University and Temple University School of Podiatric Medicine, pdemp@dca.net
Morphometric Evolution of the Metatarsal Length Pattern: Biomechanical Implications

In this pilot study, each relationship among the five metatarsal bone lengths of the foot (metatarsal length pattern)is reduced to a conic curve model that yields a unique eccentricity that one may use to quantitatively distinguish metatarsal length patterns between healthy and pathological populations within modern man. This was accomplished by comparing the eccentricities between nonhuman primates and modern man. Although the mathematics used is not novel, its potential application to a clinical pattern is exciting.

2:10-2:25

Seonja Kim, School of Computer Sciences and Engineering, Fairleigh Dickinson University, seonja777@hotmail.com; and Maxim J. Goldberg-Rugalev, Ramapo College of NJ, mgoldber@ramapo.edu
Using Mathematics to Remove Time Drift Effects in Blood Spectra

The purpose of this paper is to attempt to identify, quantify, and remove the effects of time drift on spectral readings of blood—these effects mask the contributions of various chemical analytes in the blood. Using spectral measurements to non-invasively monitor blood chemistry would be of immense medical benefit.

2:30-2:45

Abdul Hassen, Rowan University, hassen@rowan.edu, and Hieu D. Nguyen*, Rowan University, nguyen@rowen.edu
A Half-Marriage in Error: When Zeta Integrates a Gaussian

An interesting marriage will be discussed between the error function and the Riemann zeta function, constructed as a hypergeometric zeta function of fractional order, in particular 1/2. New results about this coupled error-zeta function will be presented and compared to classical results.
*presenter of paper

Mathematical Association of America
New Jersey Section
50th Anniversary (Spring 2006) Meeting Program
All sessions except the concurrent sessions at 1:30 p.m. will take place in the Casino

8:30 – 9:15	Registration and Coffee, the Casino
8:30 – 1:30	Book Exhibits, the Casino
9:15 – 9:30	**Welcome by Dr. Joseph Gower, Provost,** Georgian Court University
9:30 – 10:25	*Eulerian Numbers and Worpitsky's Identity*, **Roger Pinkham**, Stevens Institute of Technology
	Presider: Eileen Poiani, St. Peter's College, section governor 1976-79
10:25 – 10:35	Presentation of **Distinguished Service Award** and **Distinguished Teaching Award**
10:35 – 10:45	Chair's and Governor's Reports, and recognition of 25- and 50-year members
10:45 – 11:05	Intermission, the Casino
11:05 – 12:00	*Why Historical Truth Matters to Mathematicians: Dispelling Myths while Promoting Maths*
	Judith Grabiner, Pitzer College
	Presider: Amy Cohen, Rutgers University, section governor 2000-2003
12:00 – 1:30	**Lunch**, Raymond Hall, North Dining Room (Book exhibits end at 1:30.)
1:30 – 3:05	**MAA-NJ Contributed paper sessions** (concurrent):
	All sessions are in the Arts and Sciences Building
	History of Mathematics: A&S Little Theater
	General Contributed Paper Session I: A&S 103
	General Contributed Paper Session II: A&S 104
3:05 – 3:25	Intermission and refreshments, the Casino (Silent Auction bidding ends at 3:25)
3:25 – 4:20	*Chaos Games and Fractal Images,* **Robert L. Devaney,** Boston University
	Presider: Mark Korlie, Montclair State University, current section chair
4:20 – 4:30	Contest Results, Awards, Drawing of door prizes, Silent Auction Winners announcement (must be present to win)
5:00	Dinner honoring Award Winners, Invited Speakers and Workshop Leaders

Garden State Undergraduate Math Conference
Spring 2006 Program

8:30 – 10:00	Registration and Breakfast, the Casino
8:30 – 9:00	Check-in for NJ Undergraduate Math Competition, the Casino
9:00 – 12:00	**NJ Undergraduate Math Competition**
(9:00 – 10:00)	Individual Session
(10:00 – 12:00)	Team Session
	Headquarters: Arts and Sciences Building, room
12:00 – 1:00	**Lunch**, the Casino
1:00 – 1:45	**Career Workshops** (concurrent): *All workshops are in the Arts and Sciences Building* *Topics and presenters will be announced in a separate* *flier in your folder* *Workshop 1*: A&S 207 *Workshop 2*: A&S 220 *Workshop 3*: A&S 165
1:50 – 3:05	**Presentations by Students: Talks and Poster Session** *Arts and Sciences Building* Student Session 1: A&S 207 Student Session 2: A&S 220 (note: this session starts at 2:10) Student Poster Session: Front entrance
3:05 – 3:25	Refreshments, the Casino
3:25 – 4:20	***Chaos Games and Fractal Images,* Robert L. Devaney,** Boston University, ***in the Casino*** Presider: Mark Korlie, Montclair State University
4:20 – 4:30	Contest Results, Awards, and Prizes, the Casino
4:30	End of Conference

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Announcements

Lunch discussion tables for Spring 06 meeting
Organized by Theresa C. Michnowicz, New Jersey City University
There will be six discussion tables at lunch (in addition to one for NJ-NExT).
1. Tales of the New Jersey Section, led by Amy Cohen, Rutgers University
2. Updating the Sophomore Level Differential Equations Course, led by Robert Devaney, Boston University
3. History, Mathematics, and the Liberal Arts Course, led by Judith Grabiner, Pitzer College
4. The Present State of Academe, led by Roger Pinkham, Stevens Institute of Technology
5. The Future of Statistics Education in the MAA-NJ, SIGMAA on Stat Ed, led by Dexter C. Whittinghill III, Rowan University
6. Math Placement Tests, led by Lewis Hirsch, Rutgers University

Those who pre-registered have priority at these discussion tables. We look forward to a set of lively and interesting discussions!

MAA-NJ Fall 2006 Meeting
The Fall 2006 MAA-NJ Section meeting will be held on Saturday, November 4 at Seton Hall University, South Orange, NJ. Speakers will include Carl Pomerance, Darthmouth College. Elections of officers will be held at this meeting.

Call for Lunch Table Discussion Leaders at Fall 2006 Meeting
Pease submit topics to Theresa C. Michnowicz, New Jersey City University, 201-200-3219, tmichnowicz@njcu.edu, by September 30, 2006.

Other Future MAA-NJ Meetings
The Spring 2007 Meeting will be held at Rowan University, date to be announced.

MathFest 2006
The Mathematical Association of America will hold its annual MathFest in Knoxville, TN, August 10-12, 2006. Check MAA Online at http://www.maa.org for more information about MathFest.

Other future national MAA meetings
2007 Joint Mathematics Meeting, New Orleans, LA, January 4-7.
Mathfest 2007, San Jose, CA, August 3-5.
2008 Joint Mathematics Meeting, San Diego, CA, January 6-9.

2006 PREP Workshops
Visit MAA Online at http://www.maa.org/prep/2006/ for information about these workshops.

Other upcoming workshops
Messiah College in conjunction with the EPADEL Section will host a Summer Workshop titled, "Discrete Mathematics: Curricular Issues, Pedagogy and Nifty Examples" June 12-16, 2006. It will be presented by Bill Marion, Susanna Epp, and Peter Henderson.

Call for Nominations for the New Jersey Section Award for Distinguished College or University Teaching
The MAA-NJ Section Distinguished Teaching Award Selection Committee is seeking nominations for the 2007 Distinguished College or University Teaching Award. Please consider nominating an inspiring, respected, or influential deserving colleague for this prestigious award. Information about the nomination process and eligibility requirements are posted on the section's website at
http://www.maa.org/newjersey . The winner of the award will be recognized at the Spring 2007 meeting. For more information about this award you may contact Naomi Shapiro (Secretary of the MAA-NJ Section) at shapiro@georgian.edu 732-987-2340.

Mathematics Awareness Month
April is Mathematics Awareness Month. The theme for this year's Mathematics Awareness Month is Mathematics and Internet Security.

Dinner Honoring Award Winners and Invited Speakers
The Section will honor award winners and the invited speakers at dinner following the meeting. Everyone is cordially invited.

JOIN THE MAA (http://maa.org/mbsvcs/future.html#joinmaa).

MAA-NJ Distinguished Service Award
Theresa C. Michnowicz, Professor of Mathematics at New Jersey City University, has been selected by the New Jersey Section of the Mathematical Association of America for its 2006 Distinguished Service Award.

She has served the New Jersey Section continuously in many roles dating back to 1991. She has been Vice-Chair for Speakers, Chair, Governor, and Vice-chair for Innovations, an office which she continues to hold. She has served and still serves on numerous committees, such as the Awards Committee, the Nominating Committee, the By-Laws Committee, Organizing Committees for

MAA-NJ Section meetings, Organizing Committees for Garden State Undergraduate Mathematics Conferences, Committee for MAA-NJ 40th Anniversary and 50th Anniversary Meetings. She is also the MAA-NJ Liaison Coordinator.

She originated and implemented many innovations over the years. These include the Contributed Paper Sessions, Student speakers, door prizes and silent auctions, publisher exhibits, and lunch discussion tables. She has organized workshops and arranged for presiders at Section meetings.

She served in countless other capacities for the New Jersey Section. In her many roles within the Section, Theresa has always been ready to give assistance to others. The New Jersey Section wants to express its gratitude and appreciation to Theresa C. Michnowicz for her many years of dedicated service.

Governor's Report
I had the opportunity to attend the Board of Governors Meeting at the Joint AMS/MAA Mathematics Meeting in temperate San Antonio, TX, escaping the wintry weather of the Northeast for a short while. There were over 4500 participants at this year's JMM event. This was my last national meeting in the capacity as Governor, as my term expires this July. I wanted to thank all the NJ MAA members for their support and cooperation. I was my pleasure to represent the section nationally, but I will continue to be involved with various other committees in advancing mathematics in education, research, and professional development.

The state of the national MAA organization is healthy with an operating budget of $9 million, an endowment of $8 million, $7 million in buildings, and $7 million in grants, Pick Four numbers of 9-8-7-7, as Treasurer John Kenelly would aptly cite. The Board of Governors approved committee appointments and awards and heard reports from its various offices, projects and activities. It accepted statements of an MAA Code of Ethics and a Whistle Blower Protection Policy, and considered a dues restructuring proposal in which the cost of its journals is adequately subsidized, beginning in 2007. A Nominating Committee for 2007 national officers was selected. The MAA published 22 books last year with sales of MAA publications up 10% and sales on Amazon up 20%. Of great news to the section, the proposed revised bylaws for the New Jersey Section, as well as those of the Kentucky Section, were approved by the MAA BOG and organization. Special thanks go to Bonnie Gold and her MAA-NJ Bylaws Committee for working on the revisions and updating. The ExxonMobil Foundation has continued its support for Project NExT to the tune of $100,000. Our most recent national NExT fellows in the NJ Section are

David Nacin (William Patterson University) and Chi W. Tzeng (Monmouth University).

It was again a joy to see so many NJ section members participating in this year's JMM events. The following were involved in presentations or panel discussions:

- Lynn Bodner (Monmouth University): *Classifying the Frieze Patterns of Seville's Real Alcazar.*
- Amy Cohen (Rutgers University): Panelist et al – *Firefighting, paper trailing, and cat herding: Everything you wanted to know to be an administrator but were afraid to ask.*
- Larry D'Antonio (Ramapo College): *An Examination of Three Person Arithmetic Texts.*
- Bonnie Gold (Monmouth University): *Mathematical objects may be abstract, but they are NOT acausal. Preliminary Report.* Also: Panelist - *Algebra at various levels: How does it differ?*
- Michael A. Jones (Montclair State University): *Scoring Rules for Golf.* Also with others: *Proportional Pie-Cutting* (AMS Session on Operations Research, Game Theory, Economics)
- Christopher J. Lacke (Rowan University): *Using a CAS in the Teaching of Operations Research.* Also: *Using Fathom to Explain Central Tendency and Variability.*
- David Marshall (Monmouth University): *The role of content in countering math anxiety. Preliminary Report.*
- Susan Hammond Marshall (Monmouth University): *Integrating a writing-intensive component into a traditional upper-division course. Preliminary Report.*
- Mika Munakata and Michael A. Jones (Montclair State University): *Using the "Color the Board" game to challenge anxious students' notion of mathematics. Preliminary Report.*
- Katarzyna Potocka (Ramapo College): *Teaching a Course in Cryptology – strengthening mathematical interests in a variety of majors. Preliminary Report.*
- Joseph Rosenstein (Rutgers University): *The rush to calculus and the rush to algebra.*
- Joseph Rosenstein (Rutgers University) with V. DeBellis: *Lessons learned from our long-term discrete collaboration in the mathematical preparation of teachers. Preliminary Report.* Also: *The Leadership Program in Discrete Mathematics. Preliminary Report.* Also: *Making Math Engaging: Discrete Mathematics for K-8 Teachers.*
- Dexter C. Whittinghill (Rowan University): *Not-Quite a Semester-Long Project for Getting Your Students to Look at Real Data That They Obtain Themselves.*

NJ Section members also were involved in organizing paper sessions or panel discussions.

- Youngna Choi (Montclair State University) et al: *AMS/SIAM Special Session on Contemporary Dynamical Systems.*
- Bonnie Gold et al: *MAA Session on Countering "I Can't Do Math:" Strategies for Teaching Underprepared, Math-Anxious Students.*
- Christopher J. Lacke (Rowan University) with T.L.Moore: *SIGMAA on Statistics Education Panel Discussion.*
- Christopher J. Lacke (Rowan University) with P.E. Fishback: *MAA Session on Teaching Operations Research in the Underg*raduate Classroom.
- Diane M. Thomas (Montclair State University) with M. U. Martelli: *Undergraduate Student Poster Session.*

MathFest 2006 will be held in Nashville, TN, August 10-12, 2006. The next Joint AMS/MAA Meeting will still be held in New Orleans, LA, January 5-8, 2007, one day later than originally scheduled due to Sugar Bowl conflict. In any case, see you there!
Reginald Luke, Middlesex County College

News from NJ Departments
Mathematics Department of New Jersey City University will hold a Mathematics Awareness Lecture Series on April 20, 2006. The theme for the program is Mathematics and Internet Security. Invited speakers are Tom Hagedorn, The College of New Jersey, and Brian Hopkins, St. Peter's College. For more information, please contract Theresa C. Michnowicz, tmichnowicz@njcu.edu.

MAA-NJ Officers

Chair	Mark Korlie, Montclair State University
Past Chair	Cathy Liebars, The College of New Jersey
Vice Chair for	
Speakers	Hieu D. Nguyen, Rowan University
Innovations	Theresa C. Michnowicz, NJCU
Two-Year Colleges	Carol Avelsgaard, Middlesex County College
Secretary	Naomi Shapiro, Georgian Court University
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Public Information Officer	Michael A. Jones, Montclair State University
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Workshop Organizer	Amy Cohen, Rutgers University
Student Activities Coordinator	Lawrence D'Antonio, Ramapo College
Project NJNExT Co-Directors	Bonnie Gold, Monmouth University
	John T. Saccoman, Seton Hall University
Governor	Reginald Luke, Middlesex County College

Organizing Committee Carol Avelsgaard, Middlesex County College, Karen Clark, The College of New Jersey, Larry D'Antonio, Ramapo College, Bonnie Gold, Monmouth University, Michael A. Jones, Montclair State University, Mark S. Korlie, Montclair State University, Cathy Liebars, The College of New Jersey, Reginald Luke, Middlesex County College, Theresa C. Michnowicz, New Jersey City University, Hieu D. Nguyen, Rowan University, Naomi Shapiro, Georgian Court University.

Contributed Paper Selection Committee Carol Avelsgaard, Middlesex County College; Lawrence A D'Antonio, Ramapo College; and Michael A. Jones, Montclair University

Hosting Committee Margaret Canzonier, Joel Pitt, Naomi Shapiro, Robert Smyth, GCU Mathematics Club (student section of MAA-NJ), Georgian Court University

Awards Committee Reginald Luke, Middlesex County College, Theresa C. Michnowicz (chair), New Jersey City University, Naomi Shapiro, Georgian Court University

Nomination Committee Carol Avelsgaard, Middlesex County College, Larry D'Antonio, Ramapo College, Revathi Narasimhan, Kean University, Theresa Michnowicz (chair), New Jersey City University

Teaching Award Committee Janet Caldwell, Rowan University, Amy Cohen (Chairperson), Rutgers University, Roger Pinkham, Stevens Institute of Technology, Arthur Schwartz, Mercer County Community College, Kenneth Wolff, Montclair State University

Chairs of the New Jersey section of the MAA

A.E. Meder, Jr.	Rutgers University	1956-57
Bruce E. Meserve	Montclair State College	1957-58
S.S. Wilks	Princeton University	1958-59
Henry O. Pollak	Bell Labs	1959-60
E.P. Starke	Rutgers University	1960-61
George Cherlin	National Health & Retirement	1961-62
S.S. Myers	Educational Testing Service	1962-63
Robert Walter	Douglass College	1963-64
Max Sobel	Montclair State College	1964-65
Joshua Barlaz	Rutgers University	1965-66
A.E. Meder, Jr.	Rutgers University	1966-67
Frank Brooks, Jr.	Mutual Life Insurance	1967-68
Bernard Greenspan	Drew University	1968-69
Frank Sinden	Bell Labs	1972-73
Frederick Almgren	Princeton University	1973-75
Robert Kurshan	Bell Labs	1975-77
B. Melvin Kiernan	St. Peter's College	1977-79
Jean Lane	Union County College	1979-81
Susan Marchand	Kean College	1981-83
S. Ashby Foote	Rutgers University	1983-85
Sr. Stephanie Sloyan	Georgian Court College	1985-87
Evan Alderfer	Ocean County College	1987-89
Thomas Marlowe	Seton Hall University	1989-91
David Boliver, Jr.	Trenton State College	1991-93
Theresa C. Michnowicz	Jersey City State College	1993-95
Kay Gura	Ramapo College of New Jersey	1995-97
Lawrence D'Antonio	Ramapo College of New Jersey	1997-99
Judith Lenk	Ocean County College	1999-2001
Reginald Luke	Middlesex County College	2001-2003
Cathy Liebars	The College of New Jersey	2003-2005
Mark Korlie	Montclair State University	2005-2007

Governors of the New Jersey section of the MAA

A.E. Meder, Jr.	Rutgers University	1956-58
William Feller	Princeton University	1958-61
Henry O. Pollak	Bell Labs	1961-64
Louis F.McAuley	Rutgers University	1964-67
Joshua Barlaz	Rutgers University	1967-70
Paul Clifford	Montclair State College	1970-73
Samuel Greitzer	Rutgers University	1973-76
Eileen Poiani	St. Peter's College	1976-79
Michael Aissen	Rutgers University	1979-82
Richard Gabriel	Seton Hall University	1982-85
Susan Marchand	Kean College	1985-88
Sr. Stephanie Sloyan	Georgian Court College	1988-91
Ruth O'Dell	County College of Morris	1991-94
Barbara L. Osofsky	Rutgers University	1994-97
Theresa C. Michnowicz	New Jersey City University	1997-2000
Amy Cohen	Rutgers University	2000-03
Reginald Luke	Middlesex County College	2003-06