Invited Addresses

at
Annual and Fall Meetings

F Fall Meeting
* Retiring Chairman/President
# Teaching Award Recipient

1916 R. B. Allen*
Kenyon C.   "Hypercomplex Number Systems"

1917 T. M. Focke*
Case School Appl. Sci.   "A Geometrical Presentation of Taylor's Series"

1918 Forbes B. Wiley*
Denison U.   "An Experiment with Co-ordinates"

1919 C. N. Moore*
U. of Cincinnati   "The Role of Mathematics in World Progress"

1920 R. L. Borger*
Ohio U.   "Some Geometric Methods for Curve Tracing"

1921 Samuel E. Rasor*
Ohio State U.   "Functions and Functionals"

1922 M. Gugle
Columbus Public Schools   "The High School-College Problem"

D. L. Holl
Ohio State U.   "The Mathematical Justification of a Fundamental Postulate of the Theory of Relativity"

B. F. Yanney*
C. of Wooster   "Some Aspects of the Mathematical Situation in Ohio"

1923 H. L. Coar*
Marietta C.   "Freshman Mathematics in the Liberal Arts College"

1924 W. E. Anderson*
Miami U.   "Some Methods of Creating and Maintaining Interest in Mathematics"

E. E. Lincoln
Western Electric Co.   "Business Statistics"

1925 Harris Hancock*
U. of Cincinnati   "A Notion Which Includes That of Divisibility"

1926 R. D. Bohannan*
Ohio State U.   "Alphabetic Symbolism Applied to Some Operations on Power Series"

1927 H. W. Kuhn*
Ohio State U.   "Galois Fields and Permutation Groups"

H. W. Sibert
U. of Cincinnati   "A New Type of Singular Solution"

1928 C. H. Yeaton*
Oberlin C.   "The Construction of the Tangent to Certain Curves"

1929 E. H. Clarke*
Hiram C.   "Problem Solving and Mathematical Progress"

Appendix F

	A. F. Petersilge Shaker Heights Pub. Sch.	"Elementary and Secondary Mathematics Essential for Success in College Mathematics"
1930	G. Y. Rainich U. of Michigan	"Linear Vector Functions, their Applications and Generalizations"
	S. A. Rowland* Ohio Wesleyan U.	"The Solutions of a System of Linear Homogeneous Differential Equations with Laurent Coefficients"
1931	W. G. Simon* Western Reserve U.	"Some Doubts About the Content of Elementary Courses in Calculus"
1932	W. D. Cairns* Oberlin C.	"An Undergraduate Course Leading to the Study of Wave Mechanics"
	E. S. Loomis Baldwin-Wallace C.	"A Trihedron and its Genesis"
	C. L. Weaver Kent State U.	"A Proof of the Rule for Evaluating an Indeterminate Form"
1933	H. T. Davis Indiana U.	"The Predictable Element in Economic Series"
	O. L. Distheimer* Baldwin-Wallace C.	"Applied Mathematics in a Liberal Arts College"
1934	I. A. Barnett* U. of Cincinnati	"Some Suggestions for the Improvement of the Teaching of Mathematics"
	K. P. Williams Indiana U.	"The Problem of Professional Training"
1935	H. Blumberg* Ohio State U.	"On the Change of Form"
	E. J. Moulton Northwestern U.	"The Training and Utilization of Advanced Students of Mathematics"
	B. O. Skinner Ohio Dept. of Ed.	"On the Teaching of Mathematics in the Secondary Schools"
	G. Szegö Washington U.	"Some Recent Applications of Sturm's Oscillation Method"
1936	J. Pierce* Heidelberg C.	"Solutions of Systems of Linear Differential Equations in the Vicinity of Singular Points"
1937	J. H. Weaver* Ohio State U.	"A Generalization of the Circles of Apollonius and Some Resulting Properties"
1938	O. E. Brown* Case School Appl. Sci.	"The Application of Determinants and Projective Transformations to Nomography"
	K. Menger Notre Dame U.	"The Foundations of Projective and Affine Geometry"
1939	G. A. Bliss U. of Chicago	"The Hamilton-Jacobi Theory in the Calculus of Variations and its Sources"

	C. O. Williamson* C. of Wooster	"Why I Teach Mathematics"
1940	E. Artin Indiana U.	"Introduction of Coordinates in Affine Geometry"
	W. Dancer* U. of Toledo	"Fundamental Concepts in Undergraduate Mathematics"
1941	G. A. Miller U. of Illinois	"Mathematical Statements in the History of Mathematics"
	J. R. Musselman* Western Reserve U.	"Aerial Photogrammetry"
1942	Louis Brand* U. of Cincinnati	"Non-Metric Differential Invariants"
	Lester R. Ford Illinois Inst. of Tech.	"A Million Ways to Solve Equations"
1943	C. T. Bumer* Kenyon C.	"The Pre-Meterological Training Program: an Experiment and a Challenge"
1944	Tibor Radó* Ohio State U.	"On Triangulation"
1946	J. B. Brandeberry* U. of Toledo	"Imaginary Branches of Real Curves"
	F. D. Murnaghan Johns Hopkins U.	"The Teaching of College Mathematics"
1947	Tibor Radó* Ohio State U.	"Intuition in Mathematics"
	S. A. Rowland* Ohio Wesleyan U.	"The Association's Interest in Pre-College Training"
1948	M. Hall, Jr. Ohio State U.	"Prospects in Projective Geometry"
	H. S. Pollard* Miami U.	"The Mathematics Major"
1949	R. H. Marquis* Ohio U.	"Some Current Questions in the Administration of College Mathematics"
	E. J. Mickle Ohio State U.	"Some Questions in Metric Geometry"
1950	E. Baiade U. of Pisa	"Some Modern Italian Mathematicians"
	E. P. Vance * Oberlin C.	"A Different Approach to the Study of Circular Functions"
1951	A. Schild Carnegie Inst. Tech.	"Interactions of Modern Mathematics and Modern Physics"

V. C. Stechschulte *
Xavier U.
      "Some Mathematics in Seismology"

1952 L. I. Davis
U.S.A.F.
      "Some Mathematical Problems Encountered in Research and Development Work"

R. F. Rinehart*
Case Inst. Tech.
      "Functions of Matrices"

1953 Hanry B. Mann
Ohio State U.
      "Combinatorial Problems"

Earl F. Mickle *
Ohio State U.
      "Mappings and Measure"

1954 P. R. Rider *
Wright-Patterson A.F.B.
      "Statistical Distributions"

G. deB. Robinson
U. of Toronto
      "The Place of Algebra and Geometry in the Undergraduate Curriculum"

1955 R. R. Stoll
Oberlin C.
      "Characteristics of Determinant Functions"

W. R. Transue *
Kenyon C.
      "Approaches to Measure and Integration"

1956 H. E. Grime
Cleveland Pub. Sch.
      "Some Current Problems of Teachers of Mathematics in Elementary and Secondary Schools"

Ernst Snapper
Miami U.
      "The Geometric Method in Modern Algebra"

R. R. Stoll *
Oberlin C.
      "Sperner's Lemma"

1957 A. Church
Princeton U.
      "Synthesis of Electric Circuits as a Problem in Mathematical Logic"

Paul V. Reichelderfer *
Ohio State U.
      "On the Geometrical Meaning of a Derivative"

1958 N. Lazar
Ohio State U.
      "Critique on the Preparation of Elementary and Secondary School Teachers of Mathematics"

E. R. Ranucci
Newark State C.
      "Report from the Commission on Mathematics of the College Entrance Board"

J. Laurie Snell
Dartmouth C.
      "The New Dartmouth Mathematics Curriculum"

1959 G. Blanch
Wright-Patterson A.F.B.
      "Review of Basic Concepts in Approximation Theory"

L. E. Bush*
Kent State U.
      "Some Problems in Teacher Training and Retraining"

R. J. Nelson
Case Inst. Tech.
      "The Impact of the Electronic Computer on the Mathematics Curriculum"

	D. Ransom Whitney Ohio State U.	"The Role of a Statistics Laboratory on a College Campus"
1960	S. N. Gupta Wayne State U.	"A Procedure for Optimizing a Function Involving Uncertain Parameters"
	W. R. VanVoorhis * Fenn C.	"The Impact of Modern Mathematics Upon College Teachers"
1961	Wade Ellis * Oberlin C.	"On Boolean Algebras"
	Charles Saltzer U. of Cincinnati	"Computers and Automata"
1963	W. G. Johnson * Hiram C.	"Topological Representations of Certain Boolean Algebras"
	Arnold E. Ross U. of Notre Dame	"An Intractable Minimum Problem in Diophantine Approximation"
1964	R. H. Bing U. of Wisconsin	"Homogeneity"
	C. E. Capel * Miami U.	"Concrescence, Concinnity, and Concatenation"
1965	Andrew Sterrett* Denison U.	"The Negative Binomial Distribution for Testing Certain Hypotheses"
	R. L. Wilder U. of Michigan	"The Axiomatic Method"
1966	W. T. Fishback * Ohio U.	"The High Costs of Trying"
	M. Henriksen Case Inst. Tech.	"Matrices Over Rings in Which Finitely Generated Ideals are Principal"
1967	H. David Lipsich * U. of Cincinnati	"Some New Directions for the Ohio Section"
	J. Mycielski Case Inst. Tech.	"Topics in Mathematical Logic"
F67	Richard D. Anderson Louisiana State U.	"A Brief Survey of CUPM Activities"
	Donald W. Bushaw Washington State U.	"Preparation for Graduate Study in Mathematics"
	W. Prenowitz Brooklyn C.	"Preparation for Graduate Study in Geometry"
	G. Bailey Price U. of Kansas	"A General Curriculum in Mathematics for Colleges"
	A. Rosenberg Cornell U.	"The CUPM Qualification Report"

	G. L. Weiss Washington U.	"Preparation for Graduate Study in Analysis"
	Hans J. Zassenhaus Ohio State U.	"Preparation for Graduate Study in Algebra"
1968	E. Engeler U. of Minnesota	"Language as a Part of Mathematics: Part 1, Model Theory; Part 2, Symbol Manipulation"
	Daniel T. Finkbeiner * Kenyon C.	"The Mergences of Mathematics"
1969	Ralph P. Boas Northwestern U.	"COSRIMS: Findings and Recommendations of the Graduate Panel"
	Peter J. Hilton Cornell U.	"COSRIMS: Problems of Implementation of Recommendations"
	Henry O. Pollack Bell Telephone Labs	"COSRIMS: Findings and Recommendations of the Undergraduate Panel"
	Arnold E. Ross * Ohio State U.	"Graduate Training in Mathematics: Some Dilemmas of a Practicing Educator"
1970	A. F. Bartholomay Med. C. of Ohio-Toledo	"The Role of Mathematics in Biology and Medicine"
	James L. Smith * Muskingum C.	"Swingin' 60's - 70's"
	W. Sternberg U. of Minnesota	I: "Calculus and the Computer: A Very Short Course in Computing; II: The Role of the Computer in the CRICISAM Calculus Course"
1971	Victor Klee U. of Washington	"Convex Sets in Geometry and Analysis"
	Ben Noble Oberlin C.	"Applications of Undergraduate Mathematics"
	B. J. Yozwiak* Youngstown State U.	"What You Always Wanted to Know about Summability, but Were Not Interested Enough to Ask"
F71	J. Simons SUNY, Stonybrook	"Current and Future State of the Art (of Differential Geometry)"
	J. A. Thorpe SUNY, Stonybrook	"History of Differential Geometry"
	A. T. Vasquez CUNY	"Integration of Differential Geometry into the Undergraduate Curriculum"
1972	Elwood Bohn * Miami U.	"Convex Functions, Some Generalizations and Applications"
	Samuel Goldberg Oberlin C.	"Probability Models in the Social Sciences"
	B. E. Rhoades Indiana U.	"Mathematics Programs at Two-Year Colleges - something for Everyone"

F72	Harold D. Brown Ohio State U.	"Applications of Graph Theory to Classification of Organic Molecules"
	M. Gerstenhaber U. of Pennsylvania	"The Delaware River: a Case History in the Use and Abuse of Models"
	Robert J. Herbold Proctor & Gamble Co.	"Mathematics in Managerial Science"
	Murray S. Klamkin Ford Motor Co.	"Mathematics in Industry"
1973	Kenneth Cummins Kent State U.	"A Transformational Approach to Geometry"
	Harley Flanders Editor, A.M.M.	"Some Mathematical Aspects of Electrical Circuit Theory"
	Will Hahn * Wittenberg U.	"The Retread Problem"
	Andrew Sterrett, Jr. Denison U.	"Recent Activities of CUPM"
F73	Ralph P. Boas Pres., MAA	"Consequences of Continuity"
	E. L. Glazer Case Western Reserve U.	"Some Possible Effects of the Computing Art on the Teaching of Mathematics"
	W. T. Morris Ohio State U.	"Probability and Real Decision Making"
1974	M. D. Plummer Vanderbilt U.	"Non-trivial Applications of Graph Theory"
	Henry O. Pollak Bell Telephone Labs	"A Loop Switching Problem"
	S. E. Payne Miami U.	"On Finite Moore Graphs"
	K. D. Ray-Chaudhuri Ohio State U.	"Graphs and Geometries"
F74	G. Noether U. of Cincinnati	"How to Make Statistics Interesting"
	J. Rosenblatt Case-Western Reserve U.	"Introducing Operations Research in the Undergraduate Curriculum"
	Gerald L. Thompson Carnegie Mellon U.	"Operations Research - The State of the Art"
1975	William J. Cody Argonne Nat'l Lab.	"Computer Evaluation of Functions"
	George Fix U. of Michigan	"Numerical Approximation for Data Driven Ocean Circulation Models"

	A. B. Willcox Exec. Dir., MAA	"Some Bridges to and from Mathematics"
F75	Edwin E. Moise CUNY	"The Problem of Learning to Teach"
1976	Richard G. Laatsch * Miami U.	"Scrambled Infinite Dimensional Convex Eggs"
	E. B. Saff U. of South Florida	"Geometric Convergence of Rational Functions to Analytic Functions in Unbounded Domains"
	Hans J. Zassenhaus Ohio State U.	"A tribute to Arnold E. Ross on his Retirement"
F76	Fred S. Roberts Rutgers U.	"Graphs, Garbage, and a Pollution Solution: Graph Theory Applied to Environmental Problems"
	Maynard Thompson Indiana U.	"Discrete Mathematical Models for Some Problems Arising in Biology and Medicine"
1977	C. W. Curtiss U. of Oregon	"A Survey of Recent Developments in the Representation Theory of finite Groups"
	D. R. Hughes U. of London	"Designs and Some of Their Connections to Other Branches of Mathematics"
F77	Richerd C. DiPrima Rensselaer Poly. Inst.	"Differential Equations in the Undergraduate Curriculum"
	Alan C. Tucker SUNY, Stonybrook	"Graph Models in a Combinational Problem-Solving Course"
1978	P. Minton Va. Commonwealth U.	"Bidding Models-An Example of Applied Mathematics"
	Neil J. A. Sloane Bell Telephone Labs	"At the Intersection of Computer Science, Communications Theory, and Modern Algebra"
F78	William S. Dorn U. of Denver	"Numerical Instabilities and Their Cure"
	Richard S. Varga Kent State U.	"Numerical Analysis - The State of the Art"
1979	Peter J. Hilton Case-Western Reserve U.	"The Development of Algebraic Topology - A Study in Evolution"
	V. Frederick Rickey Bowling Green State U.	"History of Mathematics as a Pedagogical Tool"
F79	D. L. Bernstein Brown U.	"Mathematical Modeling an Existence Theorems"
	Yung Chen Lu Ohio State U.	"Catastrophe Theory"
1980	Donald O. Koehler * Miami U.	"Evolution and Mathematical Models of Evolution"

	J. Sutherland Frame Michigan State U.	"Groups - A Key to Patterns in Science"
F80	George E. Andrews Penn. State U.	"Recent Implications of the Work of L.J. Rogers"
	D. K. Ray-Chaudhuri Ohio State U.	"An Introduction to Coding Theory"
1981	Ralph P. Boas Northwestern U.	"The Harmonic Series and the Elephants"
	Cliff Long* Bowling Green State U.	"Singular Value Decomposition of Matrices with Applications"
F81	H. T. Banks Brown U.	"Parameter Estimation and Optimal Control in Delay and Partial Differential Equations"
	Philip M. Tuchinsky Ford Motor Co.	"How I Do My Job - Systems Development"
1982	Douglas Faires * Youngstown State U.	"Models of Population"
	R. G. Laatsch Miami U.	"Polyominoes-Pleasurable Places for Perception and Perplexing Packing Puzzles"
	Marcia Sward Trinity C.	"New Initiatives in Pre-College Mathematics Education"
F82	Hans Zassenhaus Ohio State U.	"Mathematicians of Pre-World War II Germany"
	J. M. Greenberg Ohio State U.	"What is Applied Mathematics? What is Applied Mathematics Education"
	S. Nemer Off Budget & Mgmt.	"The Process of Revenue Estimating for State Budget Purposes"
	W. C. Rheinboldt U. of Pittsburgh	"On the Discretization Error for Parameterized Non-Linear Equations"
	D. P. Roselle Virginia Tech. Inst.	"A Sampling of Applied Combinatorial Problems"
1983	N. Azarnia Miami U.-Hamilton	"The Contributions of Anna Johnson Pell Wheeler"
	Darrell Horwath * John Caroll U.	"How to Keep Students Awake: Some Tricks of the Trade"
	D. Lutzer Miami U.	"Topology, Proofs and CUPM's Mathematical Sciences Program Recommendations"
	Maynard Thompson Indiana U.	"Mathematical Modeling: When, Why, and for Whom"
F83	A. Lazer U. of Miami	"Intermediate Value Theorems and Differential Equations"

Appendix F

	James R. C. and Joan R. Leitzel Ohio State U.	"Mathematical Education in Mainland China"
	Kenneth Meyer U. of Cincinnati	"Stability of Trojan Satellites"
	C. Robinson Northwestern U.	"In Search of Stability in a Complex World"
1984	Peter Henrici U. of North Carolina and E.T.H., Zürich	"Recent Progress in Numerical Conformal Mapping"
	Richard Little * Baldwin-Wallace C.	"Some Things My Mathematics Professors Never Taught Me"
	V. Frederick Rickey Bowling Green State U.	"Curves of Calculus"
	Richard Varga Kent State U.	"Some Conjectures and Open Problems in Function Theory and Approximation"
F84	D. Burke Miami U.	"Undecidable Mathematics"
	Mary Gray American U.	"Mathematics and the Law"
	L. Sanders Miami U.-Hamilton	"Characterizing Trees by a Finite Sequence of Integers"
	Phil Schmidt U. of Akron	"Teaching Experimental Applied Mathematics: the TEAM Project"
	Lynn Steen St. Olaf C.	"Renewing Undergraduate Mathematics"
1985	I. Greber Case-Western Reserve U.	"Engineering Needs and the College Mathematics Core"
	Phil Huneke Ohio State U.	"The Embeddability of Graphs"
	James R. C. Leitzel * Ohio State U.	"Three P's for Teaching Mathematics"
	P. Wang Kent State U.	"Symbolic Computation on Modern Computers"
F85	Turner Whitted U. of North Carolina	"Causes and Cures of Aliasing in Computer Graphics"
	D. E. Cameron U. of Akron	"Memoirs on Compact Topological Spaces by P. S. Alexandroff and P. W. Urysohn - the Birth of Soviet Topology"
	Alan H. Schoenfeld U. of California-Berkeley	"The Reality of Student Problem Solving Behavior - It's Worse Than You Think"
1986	Alan Poorman * Ashland C.	"Quality Control in the U.S."

	Peter Hilton SUNY-Binghamton	"From Elementary Geometry to Not So Elementary Number Theory: The Final Story." (This is the title of the talk actually given.)
	Arthur T. White Western Michigan U.	"Ringing the Cosets"
F86	Persi Diaconis Stanford U.	"Combinatorics and Card Tricks"
	Joe Diestel Kent State U.	"Rosenthal's Dichotomy"
	Leonard Gillman U. of Texas	"Approval Voting"
1987	Milton D. Cox* Miami U.	"The Remarkable Tilings of Roger Penrose"
	Herbert S. Wilf U. of Pennsylvania	"Strings, Substrings, and the Nearest Integer Function"
	Warren Page N.Y.C. Technical C.	"The Mathematical Competition in Modeling"
F87	Frank R. Giordano U.S. Military Acad.	"The Teaching and Practicing of Mathematical Modeling for Undergraduates"
	Kenneth Cummins Kent State U.	"Using the Students in Teaching Calculus"
	Deborah Tepper Haimo U. of Missouri-St. Louis	"Solutions of the Heat Equation"
1988	J. William Friel * U. of Dayton	"Farey Fractions"
	George F. Andrews Penn State U.	"Dyson's Crank of a Partition"
	P. Campbell Beloit C.	"Mathematical Discoveries of the 1980's in Applied Mathematics"
F88	H. Edwards N.Y.U.-Courant Inst.	"Kronecker's Views of the Foundations of Mathematics"
	William Dunham Hanover C.	"Vito Volterra and the Limits of Pathology"
	Joe Gallian U. of Minnesota-Duluth	"The Mathematics of Identification Numbers"
1989	Charles Hampton * College of Wooster	"Calculus: Past, Present and Future"
	Gerald Alexanderson Santa Clara U.	"Gaussian Binomial Coefficients"
F89	David E. Kullman Miami U.	"What Colleges Should Do About the New NCTM Standards"

	Ivan Niven U. of Oregon	"Applied Topics in College Algebra"
1990	Olaf P. Stackelberg * Kent State U.	"Number Theory and Probability: A Rich Interplay"
	J. W. Dawson, Jr. Penn State U.-York	"The Life and Work of Kurt Gödel"
	B. A. Case Florida State U.	"Are We Teaching Majors the Right Mathematics? Are We Teaching it the Right Way?"
F90	Peter E Castro Eastman Kodak Co.	"Industrial Mathematics: More Than Applied Mathematics"
	Eugene C Gartland Kent State U.	"Numerical Solution of Problems in Liquid Crystals"
	Philip M Tuchinsky Ford Motor Co.	*unknown*
1991	Janet Roll* U. of Findlay	"On Circles and Doughnuts (or Locally Partially Ordered Groups)"
	Harvey Keynes U. of Minnesota	"Can Mathematicians be Involved in Education and Still Survive in the Profession?"
F91	Richard Varga Kent State U.	"Solving Large Nonsymmetric Nonsingular Matrix Equations by Iterative Methods"
1992	John Ewing Indiana U.	"Can We See the Mandelbrot Set?"
	James R. C. Leitzel Ohio State U.	"Challenges to Change"
	David E. Kullman * Miami U.	"Variations on a Spiral"
F92	David S. Moore Purdue U.	"Teaching Statistics as a Respectable Subject"
	James Albert Bowling Green State U.	"Teaching Statistical Inference Using Bayes"
1993	Alan Stickney * Wittenberg U.	"A Graphing Calculator Tour"
	Gerald Porter U. of Pennsylvania	"Linear Algebra as a Laboratory Science"
F93	Stan Wagon Macalester C.	"The Impact of Modern Software on Teaching and Research"
	Charles Groetsch U. of Cincinnati	"Inverse Problems: What are They and Why Should We Care?"
	V. Frederick Rickey Bowling Green State U,	"Benjamin Franklin Finkel and the Founding of *The Monthly*"

Appendix F

	David Smith Duke U.	"Calculus, Computers, Cooperation, and Composition"
1994	S. Brent Morris National Security Agency	"Magic Tricks, Card Shuffling, and Dynamic Computer Memories"
	Joe Kennedy Miami U.	"Lights and Strings and Things"
	Alice Silverberg Ohio State U.	"Fermat's Last Theorem and Elliptic Curves"
	Thomas Hern * Bowling Green State U.	"The Image of a Circle: When Eigenvalues Do Not Quite Cut It"
F94	Keith Devlin St. Mary's C of Cal.	"Whither Mathematics, and What It Means for The Math Professor"
	Daniel Solow Case Western Reserve U.	"What Should Students Learn from Advanced Mathematics and How Should We Teach Them?"
	Richard Lesh Ed. Testing Service and NSF	"Equity , Content Quality, and Systemic Initiatives"
	Ed Dubinsky Purdue U.	"Connections Among Learning, Pedagogy and Assessment"
1995	Grahame Bennett Indiana U.	"From Coin Tossing to the Jacobi Polynomials, and Beyond"
	Floyd Barger * Youngstown State U,	"TBA Part I, Part II" (on teaching.)
	Philip Cheifetz Nassau CC	"A Brief History of Calculus Reform and The Harvard Calculus Project
F95	Underwood Dudley DePauw U.	I. "Formulas for Primes" II. "Angle Trisectors"
	Dale Mugler # U. of Akron	"The Gibbs Phenomenon"
	Walter Mientka U. of Nebraska	I. "The 1994/1995 IMOs--A Serendipitous Victory??" II. "Approximations to Arithmetic Sums and Their Applications"
1996	David Bressoud Macalester C.	"The Search for Proof: I. Cauchy, Dirichlet, and Abel in Paris II. The Counting of Alternative Sign Matrices"
	Robert Smith Miami U.	"Spreadsheets in Calculus"
	John Michel * Marietta C.	"Navigating to the Center of Ohio and to the Moons of Jupiter"
F96	Ed Barbeau U. of Toronto	"A Nonlinear Recursion Spawned by a Frieze Pattern"
	Aparna Higgins # U. of Dayton	"Unexpected Results from Undergraduate Researchers"

Appendix F

1997 Laszlo Babai
U. of Chicago

"Surprise Methods in Combinatorics and in the Theory of Computing"

Barbara (Flajnik) Ashton *
Wittenberg U.

"The Mathematics of Frank Lloyd Wright's Architecture"

Gabor Szekeley
Bowling Green State U.

"Reminiscences of Paul Erdos"

Allan Rossman
Dickinson C.

"Workshop Statistics: Learning by Discovery"

F97 Marjorie Senechal
Smith C.

I. "The Aperiodic Zoo"
II. "The Search for an Aperiodic Tile"

Jerry Holt, Dean
Shawnee State U.

"[Branch] Rickey and Robinson by the Numbers"

V. Frederick Rickey #
Bowling Green State U.

"A Mathematician, Historian, and Teacher Shares His Thoughts, Experiences, and Advice about Mathematics"

1998 Frank Morgan
Williams C.

I. "The Soap Bubble Geometry Contest"
II. "Bubbles and Crystals in Surfaces and in a Sphere"

Curtis Bennett
Bowling Green State U.

"An Escher Version of the Banach-Tarski Paradox"

Leo J. Schneider *
John Carroll U.

"A Funny Thing Happened on the Way to the Formula"

F98 David Stone
Georgia Southern U.

"Mathematics is a Lazy Man's Sport"

Douglas Faires#
Youngstown State U.

"Designing a Modern Applied Mathematics Program"

Susan Gantner
American Assoc. for Higher Ed.

"A Study of the Effects of Calculus Reform"

1999 Ronald L. Graham
AT&T Labs Research

"Mathematics and Computers: Recent Success and Insurmountable Challenges

Roger Marty *
Cleveland State U.

"Teaching Mathematical Reasoning"

F99 Thomas Banchoff
Brown U.

"Interactive Geometry on the Internet"

William Dunham
Muhlenberg C.

"Euler's Sums and Euler's Crumbs

Gilbert Strang
Mass. Inst of Tech.

"Small World Networks and Partly Random Graphs"

2000 Mel Slugbate (Colin Adams)
Slugbate and Mossbutter Real Estate

"Real Estate in Hyperbolic Space: Investment Opportunities for the Next Millennium"

Aparna Higgins *
U. of Dayton

"Questions about Networks: Stories about Networking"

	Colin Adams Williams C.	"Making Calculus Fun: How to Entertain at Parties"
F00	Robert L. Devaney Boston U.	"The Mandelbrot Set, the Farey Tree, and the Fibonacci Sequence"
	James Tattersall Providence C.	I. "Two Books that Spanned a Millennium" II." Mathematical Vignettes from Cambridge."
	Zaven Karian# Denison U.	"Using Maple for Teaching Probability and Statistics"
2001	Arthur Benjamin Harvey Mudd C.	I. "Proofs That Really Count!" II. "Mathemagics!"
	Judith Palagallo * U. of Akron	"Random Fractal Images"
	V, Frederick Rickey U.S. Military Acad.	I. "The Palimpset of Archimedes" II. "History of Mathematics as a Pedagogical Tool"
F01	Ann Watkins Cal. State, Northridge	I. "Fallacies in Elementary Statistics" II. "The MAA and Scholarship in the Teaching of Mathematics
	Jerry Moreno # John Carroll U.	"Citizens Stats 101 - Toward a Quantitively Literate Citizenry"
	Edward B. Burger Williams C.	I. "How to Always Win at Limbo" II. "Personal Thoughts on What to Teach and How Not to Teach it.
2002	Jeffrey Weeks	"Measuring the Universe "Part I: Curvature "Part II: Topology"
	Suzanne Lenhart U. of Tenn., Oak Ridge Nat. Lab.	I. "Applications of Optimal Control to Various Population Models" II. "What Do Parallel Parking and Lie Brackets Have in Common?"
	Thomas Gantner* U. of Dayton	"Mathematics Journals as a Teaching Resource"
F02	Underwood Dudley DePauw U.	I. "Why Teach Mathematics?" II. "Calculus Books"
	Daniel E. Otero Xavier U.	I. "Henry Briggs (1561-1630) and the Story of Logarithms" II. "On Teaching Mathematics with Original Sources"
	Alan Stickney# Wittenberg U.	"Mathematics Viewed as a Experimental Science"
2003	Dan McWhorter Nat. Security Agency	I. "Introductory Coding Theory" II. "Mathematics at the National Security Agency"
	Ravi Vakil Stanford U.	I. "The Mathematics of Doodling" II. "Why the Golden Mean?"
	Harold Putt * Ohio Northern U.	"Some Applications of Abstract Algebra"
	Ann Ritchey Mount Union C.	"Math Connections"

F03	Carl Cowen Purdue U.	I. "Rearranging the Alternating Harmonic Series" II. "Connections Between Mathematics and Biology"
	David Minda# U. of Cincinnati	"Some Geometric Gems via Möbius Transformations"
	Leo Schneider John Carroll U.	"A Prime AIME Problem"
	Jon Stadler Capital U.	"Lights (Over and) Out"
2004	Joe Gallian U. of Minnesota, Duluth	I. "Touring a Torus" II. "Breaking Drivers' License Codes"
	Judy Holdener Kenyon C.	"Sagebrush, Turtles, and Snowflakes"
	Dale Mugler * U. of Akron	"Music and the Time-Frequency Analysis of Wavelets"
	J. Kevin Colligan Nat. Security Agency	"Breaking the Enigma"
F04	James A. Sellers Pennsylvania State U.	I. "Research in Integer Partitions - Alive and Well" II. "More Than Just Convergence"
	Thomas P. Dence# Ashland U.	"Pattern Busters"
	Elizabeth Wilmer Oberlin C.	"Big Graphs, Fast Walks, Loose Bounds"
	Edward Spitznagel Washington U.	"Six Easy Pieces-or How I Came to be an Applier of Mathematics, with Half a Dozen Short Short Stories"
2005	Christopher N. Swanson Ashland U.	I. "The Probability an Amazing Card Trick is Dull" II. "The Discrete Mathematics of a Card Trick"
	John P. Holcomb Cleveland State U.	"Understanding Lies, Damned Lies, and Statistics: A Look at Why So Many People Find Statistics Frustrating"
	Mark A. Smith * Miami U.	"Arc Length and Surface Area - What's Up with Calculus Textbooks?"
	Daniel Maki Indiana U.	"What are Hidden Markov Models and Who Cares?
F05	Ronald L. Graham U. of California, San Diego	"Packing Discs in the Plane"
	Thomas Hern# Bowling Green State U.	"I Thought I was Lecturing"
	Carol Schumacher Kenyon C.	"Zeroing in on the Implicit Function Theorem"
	Leo Schneider John Carroll U.	I. "A Funny Thing Happened on the Way to the Meeting" II. "Undergraduate Research: Planting the Seed and Watching It Grow"

2006	Georgia Benkart U. of Wisconsin, Madison	I. "Going Up and Down" II. "Ladies of the Rings"
	Dwight Olson * John Carroll U.	"Some Thoughts on Rings and Things"
	Thomas Price U. of Akron	"Developing an Undergraduate Research Program"
	David Finn Rose-Hulman Inst. of Tech.	"Bicycle Tracks on the Plane and the Sphere"
F06	David Singer# Case-Western Reserve U.	"Focusing on the Critical Points of Polynomials"
	Curtis Bennett Loyola Marymount U.	I. "Understanding the Thurston Model of Hyperbolic Space" II. "Averaging, Discrete Means, Coalition Building, and a Paradox of Social Choice"
	Bernd Sturmfels U. of California, Berkeley	"The Joy of Solving Equations"
2007	Francis Edward Su Harvey Mudd C.	I. "Preference Sets, Graphs, and Voting in Agreeable Societies" II. "My Favorite Math Fun Facts"
	Daniel E. Otero Xavier U.	"Euler, Number Theorist"
	Judith Palagallo U. of Akron	"Curious Curves"
	Thomas P. Dence * Ashland U.	"A Tantalizing Trek through Elementary Number Theory"
F07	Thomas Price# U. of Akron	"Approximating Sums of Infinite Series"
	Mihai Caragiu Ohio Northern U.	"Geometry with Complex Numbers"
	Frank Ryan	I. "Resolved, that a Football is a Mathematical Object" II. "Mathematics and Truth"
	Richard Little Baldwin-Wallace C.	Surviving the White Water Rapids at the Confluence of the Mathematics Curricula for High School and College"
2008	William Higgins *# Wittenberg U.	"Insights from Archimedes"
	Lew Lefton Georgia Tech	I. "Infinity Bottles of Beer on the Wall" II. "Distributed Computing and the Internet"
	Carl Pomerance Dartmouth C.	I. "The Covering Congruences of Paul Erdös" II. "Euler's Function"
F08	John Tynan Marietta C.	"Answering One of Calculus' Most Boring Questions. (Math with Cosmo)"
	Susanna Epp DePaul U.	"Linguistic Issues in College Mathematics Courses"

	David Bressoud Macalester C.	I. "Proofs and Confirmations: The Story of the Alternating Sign Matrix Conjecture" II. "Calculus as a High School Course"
	Wiebke Diestelkamp U. of Dayton	"On the Difficulty of Faking Data"
2009	V. Frederick Rickey U.S. Military Academy	"Jared Mansfield: Ohio's First Mathematician"
	Vickie Van Dresar * Ashland U.	"Canoe Do Math?"
	Keith Devlin Stanford U.	I. "Street Mathematics,and What We Can Learn from It" II. "When Mathematics Changed Us"
	Sarah Greenwald Appalachian State U.	"Good News Everyone! Mathematical Morsels from the Simpsons and Futurama"
F09	Tom LaFramboise Case Western Reserve U. School of Medicine	"Mathematics in Biomedical Research"
	Ed Packel Lake Forest C.	"Recent Results in Projectile Motion and a Plug for Experimental Mathematics"
	Judith Grabiner Pitzer C.	I. "It's All for the Best: Optimization in the History of Science" II. "Lagrange, Symmetry, and Space"
	Judy Holdener # Kenyon C.	"Mental Imagery in Mathematics"
2010	Karen Parshall U. of Virginia	"The Internationalization of Mathematics in a World of Nations: 1800-1960"
	John Oprea Cleveland State U.	"Geometry and the Real World"
	Ivars Peterson Dir. Pub. & Comm. MAA	I. "Moebius Madness" II. "Newton's Clock: Chaos in the Solar System"
	Mark Miller * Marietta C.	"Generalizing Euclid V: In Search of the Unique Other"
F10	Michael Henle Oberlin C.	"Can You Hear the Mathematics?"
	Barbara Ashton Bor. of Manhattan CC, CUNY	"A Sampler of Topics from Mathematics and the Arts"
	John Stillwell U. of San Francisco	I. "Hits and Memories: 1940-1970" II. "From Perspective Drawing to the Eighth Dimension"
	Dave Sobecki Miami U., Hamilton	"Of Elephants, Fuzzy Dogs, and Teaching Backwards: A Story About Making Your Course Engagin' "
2011	Jennifer Quinn U. of Washington, Tacoma	"Combinatorialization of Linear Recurrences through Weighted Tilings"

	Gordon Swain Ashland U.	"On Lines and Parabolas, Again and Again"
	Douglas Ensley Shippensburg U.	I. "Invariants under Group Actions to Amaze Your Friends!" II. "Permutations in Graph Puzzles"
	Don Hunt* Ohio Northern U.	"Will it Go 'Round in Circles: Will it Ride Smoothly on Bumpy Ground? (YEAH)"
F11	Richard Little # Baldwin-Wallace C.	"How I escaped the Peter Principle!"
	George K. Francis U.of Illinois Urbana-Champaign	"A Geometrical Puppetshow: Some things you really can't see without computer graphics"
	Sergei Tabachnikov Penn. State U.	I. "In praise of serendipity: a tale of a geometric inequality" II. "Flavors of Bicycle Mathematics"
	Mark Meckes Case Western Reserve U.	"5-dimensional geometry is not like 2-dimensional geometry (and 3 and 4 are somewhere in between)"
2012	Aparna Higgins U. of Dayton	"Simple Surprises"
	Jeffrey Lagarias U. of Michigan	"Packing Space with Regular Tetrahedra"
	Rachel Hall St. Joseph's U.	"Submajorization and the Geometry of Unordered Collections, with Applications to Music and Welfare Economics"
	Jon Stadler * Capital U.	"Using Mathematics to Gain the Upper Hand at Family Game Night"
F12	Matt Neal Denison U.	"Ruining Sports with Math"
	Tommy Ratliff Wheaton C.	"Who has the Power in the Electoral College? You might be Surprised"
	Erica Flapan Pomona C.	I. "Mirror image symmetry from different viewpoints" II. "Topological symmetry groups"
	David Meel # Bowling Green State U.	"Mathematics in the Media: Leveraging Explorations of Higher Level Mathematics"
2013	Sir Randolph Bacon III (Colin Adams, Williams U.)	"Blown Away: What Knot to Do When Sailing"
	Robert Bosch Oberlin C.	"Opt Art"
	Barbara Faires Westminster C.	"Stefan Banach and the Scottish Café"
	Wiebke Diestelkamp * U. of Dayton	"The Lady Tasting Tea: R. A. Fisher and the Statistical Revolution"
F13	Tim Chartier Davidson C.	L "Sports Ranking: March Madness to Twitter" II. "Mime-matics

	Richard Cleary Babson C.	"Some Non-Standard Sports Applications of Mathematics and Statistics"
	Brad Hartlaub Kenyon C.	"Statistics: A Time for Celebration and Change"
	Harold Putt # Ohio Northern U.	"Using Game Theory to Teach Critical Thinking Skills and Quantitative Literacy"
2014	Michael Dorff Brigham Young U.	"How Math is Changing the World"
	Steve Goldner U.S. Army Tank-Automotive Research, Development, and Engineering Center	"Vehicle Impact Test Form Based on a Modified Super-Ellipse"
	David A. Lamb First Technology Safety Systems	"Protected Mobility Optimization for the Army Ground Fleet"
	Philip Blau * Shawnee State U.	"Ideal Prime Factors to Ideals: A Glimpse of a Structural View of Algebra"
	Charles Groetsch The Citadel	"A Couple of Integrals, a French Friar, and a Wacky Experiment"
F14	Lew Ludwig # Denison U.	"Reconsidering Hilbert's List With a Pedagogical Twist"
	Adam Parker Wittenberg U.	"Rediscovering Lost Techniques in Ordinary Differential Equations"
	Robert Devaney Boston U.	I. "Chaos Games and Fractal Images" II. "The Fractal Geometry of the Mandelbrot Set"
	William Dunham Muhlenburg C.	"Two (More) Morsels from Euler"
2015	Bonita Lawrence Marshall U.	"The Marshall Differential Analyzer Project: Solutions of Dynamic Equations Using Mechanical Integration"
	Carl Lee U. of Kentucky	"The Many Facets of Polyhedra"
	Annalisa Crannell Franklin & Marshall U.	I. "Math and Art: The Good, The Bad, and the Pretty" II. "In the Shadow of Desargues"
	John Prather * Ohio U. Eastern	"Taking Other People's Ideas to Extremes"