

## CHARLES PHELPS TAFT LECTURES

Year	Speaker	University	Title of Lecture
1931 - 32	Robert L. Moore	University of Texas	
1932 - 33	Leopold Fejer		
	Tibor Rado		
1935 - 36	L.H. Thomas		
	George David Birkhoff	Harvard University	
	Otto Szasz		
1936 - 37	T. Vijayaraghavan		
	L.P. Eisenhart		
	(for Graduate School Anniversary)		
1938 - 39	Oswald Veblen	Yale University	
	A.B. Cable		
	Karl Menger	University of Vienna	
1940 - 41	George A. Bliss	University of Chicago	
	Marston Morse	Institute for Advanced Study	
1941 - 42	A.A. Albert	University of Chicago	
	Garrett Birkhoff	Harvard University	
	C.C. MacDuffee	Hunter College	
1942 - 43	George David Birkhoff	Harvard University	
	E. Artiu	Indiana University	
1943 - 44	Jacques Hadamard	University of Paris	
	S. Mandelbrojt	University of Paris	
	George David Birkhoff	Harvard University	
1947 - 48	Garrett Birkhoff	Harvard University	"Topics in Fluid Mechanics" (4 lectures)
1948 - 49	Lamberto Cesari	University of Bologna	"Theory of Multiple Fourier Series" (3 lectures)
	Antoni Zygmund	University of Chicago	"Theory of Functions and Fourier Series"
1950 - 51	H.W. Turnbull	St. Andrews, Scotland	"Recent Discoveries of Mathematical Manuscripts in Scotland"
	Konrad Knopp	Tubingen, Germany	"General Introduction to Divergent Series" and "Analytic Continuation by the Methods of Euler and Borel"
1954 - 55	Georg von Wright	University of Helsinki	"The Meaning of Probability"
1955 - 56	Eberhard Hopf	Indiana University	"What is Ergodic Theory?" & "Some Trends in Modern Analysis"

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1956 - 57	A.W. Tucker	Princeton University	"Topology, or You Can't Comb the Hair of a Coconut"
			"Theory of Games - Problem of Competition and Cooperation"
			"New Patterns in Mathematical Education" "Networks or Organized Doodling"
			"Linear Programming - Problems of Distribution and Allocation"
			<i>(Jointly sponsored with the Taft Fund and the Mathematical Association of America)</i>
1957 - 58	Paul Halmos	University of Chicago	"Logic from A to G" "You Can't Win" "Length, Area, Volume"
1958 - 59	R.L. Wilder	University of Michigan	"The Evolution of Mathematics" "The Nature of Modern Mathematics"
1959 - 60	Cornelius Lanczos	Dublin	"Adventures in Space" "Space and Mind"
1961 - 62	Mark Kac	Rockefeller Institute	"Statistical Thought in Natural Sciences" "Probability Theory as a Mathematical Discipline"
1962 - 63	Ernst Snapper	Indiana University	"What is Affine Geometry?" "What is Metric Geometry?"
1964 - 65	Ky Fan	Northwestern University	"The Combinatorial Core of Cevtoru Theories" "Theories in Geometry and in Analysis"
1966 - 67	John W. Milnor	Princeton University	"Differentiable Manifolds I" "Differentiable Manifolds II"
1967 - 68	Leon Henkin	University of California, Berkeley	"What are Numbers?" "Recent Work in the Foundations of Mathematics"
1968 - 69	Abraham Robinson	Yale University	"Logic and Mathematics I" "Logic and Mathematics II"
1969 - 70	J. Berkeley Rosser	University of Wisconsin	"The Independence of the Axiom of Parallels" "The Independence of the Continuum Hypothesis"
1970 - 71	Gian-Carlo Rota	Massachusetts Institute of Technology	"Combinatorial Theory, Old" "Combinatorial Theory, New"
1971 - 72	Andrew M. Gleason	Harvard University	"Information and Coding Theory" "Group Representatives and Coding Theory"
1972 - 73	Lipman Bers	Columbia University	"A Century of Uniformization I" "A Century of Uniformization II"
1973 - 74	I.N. Herstein	University of Chicago	"General Continuity Theorems for Rings" "Rings with Involution"
1974 - 75	Ralph Boas	Northwestern University	"Consequences of Continuity" "Convergence and Divergence"
1975 - 76	Jurgen Moser	Courant Institute	"Recent Results in Dynamical Systems" "Theorems of Weinstein and Bifurcation Theory"
1976 - 77	W. Gilbert Strang J. Turkey	Massachusetts Institute of Technology Princeton University	
1977 - 78	Hans Weinberger	University of Minnesota	
1978 - 79	Paul Erdos Stephen Smale R.L. Wilder Mary Ellen Rudin	Hungarian Acad. Of Science University of California, Berkeley Univ. of Michigan & Univ of California University of Wisconsin	"Elementary Geometry, Unsolved Problems" "Applications of Probability Methods of Number Theory" "The Prisoner's Dilemma, Disarmament" "Game Theory with Time" <i>(Jointly with Dept. of Economics)</i> "The Before His Time Phenomenon in the History of Sciences" <i>(Jointly with Dept. of Anthropology)</i> "Relationship Between Set Theory and Mathematics" "Recent Results in Mathematics Influenced by Set Theory"
1979 - 80	Ciprian Foias	Indiana University	"Rigorous Mathematical Approaches to Turbulence" "Applications of the Commutant Lifting Theorem to Classical Analysis, Electrical Network Theory and Biophysics"
1980 - 81	A.F. Aveni	Colgate University	"The View from the Tropics: Maya, Aztek and Inca Astronomy" <i>(Jointly with Dept. of Anthropology)</i>
1981 - 82	Victor L. Klee	University of Washington	"Unsolved Problems in Geometry, Two Dimensions" "Unsolved Problems in Geometry, Higher Dimensions"

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1982 - 83	Philip J. Davis	Brown University	"Are There Coincidences in Mathematics?" "Of Time and Mathematics"
1983 - 84	Irving Kaplansky	University of Chicago	"Perfect Numbers" "The First 27 Fields Prize Winners"
1984 - 85	Felix Browder	University of Chicago	"The Role of Mathematics in the Sciences" "Degrees of Mappings & Its Applications to Differential Equations"
1985 - 86	Richard V. Kadison	University of Pennsylvania	"Some Mathematical Aspects of Thinking Small I" "Some Mathematical Aspects of Thinking Small II"
1986 - 87	Robert L. Devaney	Boston University	"Chaotic Behavior in Simple Dynamical Systems Julia Sets" (2 lectures)
1987 - 88	William P. Thurston Ronald Thiste John J. Stachel	Princeton University University of Chicago Boston University	"Three Dimensional Geometry" (2 lectures) "Did Shakespeare Write a Newly Discovered Poem?" ( <i>Jointly with English Department</i> ) "The Young Einstein" "What a Physicist Can Learn From the Discovery of General Relativity" ( <i>Jointly with History &amp; Physics Depts</i> )
1988 - 89	Ivar Stakgold Serge Lang	University of Delaware Yale University	"Classical and Modern Optimization" "Finite-Time Blowup and Extinction in Reaction-Diffusion" "Case Studies of Political Opinions Passed Off as Science" "New Insights into Fermat's Last Theorem"
1990 - 91	Alan F. Beardon	Cambridge University	"Circles and Mobius Maps" "Circle Packings and Complex Analysis" "Some Interesting Julia Sets" "Symmetries of Julia Sets"
1991 - 92	Carl Simon Marvin Zelen Edward Witten Guido Weiss	University of Michigan Harvard University Institute for Advanced Studies Washington University	"The Dynamics of the Spread of AIDS" ( <i>Jointly sponsored with Economics Dept.</i> ) "Theory and Practice of Clinical Trials" "Length-biased Sampling and Biomedical Applications" "Localization and Gauge Theories" "String Theories in Two Dimensions" "Wavelets and their Applications" "Some Thoughts on Undergraduate Mathematics Education"
1992 - 93	Ian Stewart Martha Ascher	University of Warwick Ithaca College	"Collapse of Chaos" "Symmetric Chaos" "Tracing in the Sands: An Introduction to Ethnomathematics"
1993 - 94	Frank Morgan	Williams College	"Minimal surfaces and soap bubble clusters"
1994 - 95	Harvey Keynes Vaughan F.R. Jones Donald G. Saari	University of Minnesota University of California, Berkeley Northwestern University	"Reassessing undergraduate mathematics education: Calculus reform to changes in faculty culture" "Knots" "Subfactors and Combinatorics" "The Surprising Complexity of the Social and Decision Sciences" "From Chaos to Group Theory: New Mathematical Approach to Analyze Decision Theory"
1994 - 95	F.W. Gehring Louis Nirenberg	University of Michigan Courant Institute	"Matrices, Polynomials, Mandelbrot Sets and Discrete Groups I and II" "Remarks on Variational and Topological Methods for Nonlinear Problems"
1995 - 96	Jerry Bona Zara Girnius	University of Texas University of Cincinnati	"Solitons and the Formation of Sand Bars" "Stability and instability of Solitary Waves" "Galois Groups and Division"
1996 - 97	John Conway Douglas Hoffstadter	Princeton University Indiana University	"Polyhedra and Their Names" "Symmetry" "Secret Circles & Towers of Triangles" "Bouncing Between Triangles & Patterns: A Tale of Elegance & Symmetry"
1997 - 98	Karen Huger Parshall Robert Williams	University of Virginia University of Texas	"Historical Contours of the American Mathematical Research Community" "The Mathematical World" "The Lorenz Attractor - A Knotty Problem"
1998 - 99	Lawrence Markus	University of Minnesota	"Boundary Value Problems for Ordinary Differential Equations via Symplectic Geometry"

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1999 - 00	Marc Yor	Universite de Paris	"Is Brownian Motion the Prototype of a Continuous Martingale" "Some Aspects of Brownian Motion"
2000 - 01	Carlos Kenig	University of Chicago	"Harmonic Analysis and non-linear Dispersive Equations"
2001 - 02	Robert Osserman	Stanford University	"The Shape of the Universe" and "The Schwarz-Pick-Ahlfors Lemma"