

THE ROCKEFELLER UNIVERSITY
IN COLLABORATION WITH
THE VAN CLIBURN FOUNDATION
PRESENTS

Polymaths and the Piano



*"Music is a secret exercise in arithmetic of the soul, unaware of its act of counting."
Gottfried Leibniz, philosopher and mathematician*

A program showcasing outstanding amateur pianists from the mathematics, scientific and medical communities throughout the United States.

Thursday, February 8, 2001
7:30-10 p.m.

CASPARY AUDITORIUM
The Rockefeller University
1230 York Avenue (at East 66th Street)

ARTISTS

SETH A. DARST

Seth A. Darst, Jack Fishman Professor and head of the Laboratory of Molecular Biophysics at The Rockefeller University, received a bachelor's degree from the University of Colorado, Boulder, and his master's and doctoral degrees from Stanford University, all in chemical engineering. Dr. Darst's current research focuses on structural studies of the RNA polymerase, a molecular machine that reads the genetic information from DNA into RNA, using the bacterium *E. coli* as a model system. He began studying piano at the age of eight with his mother, Judith Darst, and received several honors and awards in the Seattle area. As a junior in high school in 1972, he performed Saint-Saen's *Carnival of the Animals* with his mother and the Greeley Philharmonic Orchestra (Colorado). In 1976, he performed Grieg's *Piano Concerto* as a competition winner with the Fort Collins Symphony Orchestra (Colorado). Dr. Darst continues to play and perform as his time allows.

HENRI-ROBERT DELBEAU

Henri-Robert Delbeau is an internist at the Long Island Jewish Medical Center. Currently a student of Tian Ying (finalist of the 1989 Van Cliburn International Piano Competition), he was a teaching fellow for the Department of Music at the University of North Texas, where he graduated with a master's degree in piano performance in 1986. Dr. Delbeau received his Ph.D. from Cornell University Medical College in 1994. He has appeared with the Westchester Symphony Orchestra and the Austin Symphony Orchestra, and was a semifinalist in The Van Cliburn Foundation's 1999 International Piano Competition for Outstanding Amateurs.

PER ENFLO

Currently a professor in the Department of Mathematics and Computer Science at Kent State University (Ohio), Per Enflo received his master's and doctoral degrees from the University of Stockholm in Sweden. In addition to working in "pure" mathematics, he is interested in several interdisciplinary sciences including mathematics as it relates to acoustics, biology, and anthropology. Dr. Enflo has studied piano and orchestral conducting and participated in the Clara Haskil Competition in 1965. He performed with the Royal Opera Orchestra of Sweden at the age of 12, and has performed a different Mozart concerto with the Triune Concert Orchestra of Columbus, Ohio, annually since 1987. The father of six daughters and two stepsons, his work is mentioned on an IBM poster detailing the development of mathematics over the last millennium.

MICHAEL HAWLEY

As assistant professor of media technology at the Massachusetts Institute of Technology Media Lab, Michael Hawley is a principal investigator of *Things That Think*, a groundbreaking research program that explores the limitless ways digital media infuses everyday objects. He also directs *Toys of Tomorrow*, which engages many of the world's leading toy companies to invent wonderful new playthings. His research career has involved psychology and human-computer interfaces for Bell-Telephone Laboratories; computer music under the direction of Pierre Boulez at IRCAM, the avant-garde computer music laboratory in Paris; and pioneering work in digital cinema for Lucasfilm. As a principal engineer at NeXT, he helped develop the world's first library of digital books. Dr. Hawley was awarded a music scholarship at Yale, where he earned undergraduate degrees in music and computer science, and later received his Ph.D. from MIT. A former luger and member of the U.S. Bobsled Federation, he is also a one-time Duncan yo-yo champion. Dr. Hawley was a finalist in the 2000 International Piano Competition for Outstanding Amateurs. He will be joined by **Mary Farbood**, a graduate student at the MIT Media Lab in the Hyperinstruments Group, which explores concepts and techniques to advance the future of music, composition, performance and expression.

LEN HOROVITZ

Board certified in both internal and pulmonary medicine, Len Horovitz maintains a private practice and is an attending physician at Lenox Hill Hospital in Manhattan. He received a B.A. in biology from Brown University and received his medical degree from New York University. A medical media spokesperson for Lenox Hill and *Reader's Digest* magazine, Dr. Horovitz has appeared on several network and cable television stations. He is a former scholarship student at the Aspen Music Festival and currently studies piano at the Manhattan School of Music. Recent performances include orchestral engagements with the Doctor's Orchestra Society of New York and the Brooklyn Neighborhood Chamber Orchestra.

STEPHEN HUBBARD

Stephen Hubbard's professional work has included the design and development of electronic and signal processing systems for applications in audio and acoustics, weighing and force management, speech processing, and electronic warfare. Currently the Visiting Assistant Professor of Electrical and Computer Engineering at Clemson University in South Carolina, he received his doctoral degree in electrical engineering from the Georgia Institute of Technology. Dr. Hubbard began to study the piano at the age of nine. While an undergraduate at Clemson University, he was a three-time winner of the Eaton-Freeman Piano Performance Competition, open to all university students.

MICHAEL KIMMELMAN

Michael Kimmelman has been Chief Art Critic for *The New York Times* since 1990. His book, *Portraits: Talking with Artists in the Met, the Modern, the Louvre, and Elsewhere*, was published by Random House in 1998. A *summa cum laude* graduate with a degree in history from Yale University, he received a master's degree in art history from Harvard. While pursuing a Ph.D. in Harvard's art history program, he began his career as a journalist, working first as a music critic for the *Atlanta Journal-Constitution* and the *Philadelphia Inquirer*. Mr. Kimmelman began studying piano with Seymour Bernstein at the age of five, has studied with Ruth Laredo at Yale, and has coached with Richard Goode. A finalist in the 1999 International Competition for Outstanding Amateurs, he considers it a privilege to combine occasional performances with his writing career.

REBECCA MARTIN

Rebecca Martin is an associate professor in the Division of Infectious Diseases at the University of Arkansas for Medical Sciences, where she received her doctor of medicine degree. Also director of the Diagnostic Unit for Central Arkansas Veteran's Healthcare System, she has written or contributed to several published textbooks, articles, and abstracts. Dr. Martin received her bachelor's degree in piano performance from Oklahoma Baptist and her master's degree in music from the University of North Texas, where she also pursued a doctor of musical arts degree. She lists choral music and studying the interrelation of the arts and medicine among her hobbies.

CARL TAIT

A research staff member at IBM's T. J. Watson Research Center, Carl Tait earned his Ph.D. in computer science from Columbia University. He started playing bagpipes at age eight and the piano at age thirteen, and entered Harvard University as a music major while studying the piano privately at the New England Conservatory. Midway through college, he switched his vocation with his primary avocation, ultimately graduating *cum laude* with a degree in computer science. Dr. Tait has performed recitals in Atlanta, Boca Raton, and New York, and was a semifinalist in the 1990 New York Chopin Competition. Currently studying piano at the Manhattan School of Music, he was a semifinalist in the 1999 International Piano Competition for Outstanding Amateurs and a finalist in 2000.

POLYMATHS AND THE PIANO

Creativity abounds in science—in the methods researchers devise to uncover the workings of the natural world, for example, and in the intellectual pursuit of ideas to make sense of their findings.

Aesthetics also is an integral part of science. Physicists often use the term “elegant” to describe a solution that is as powerful as it is simple. Elements such as shape, color and balance all come into play. By imagining new questions to ask and by building innovative structures within which to frame their inquiry, scientists probe the mysteries of the cell, the body, the natural environment and the universe.

If scientists explore a space where creativity and aesthetics intersect, it will come as no surprise that many scientists also are musicians. The performers you will hear tonight have distinguished themselves both in the fields of mathematics, science, and medicine (their professions) and in music (their avocation). As part of its centennial celebration, The Rockefeller University is delighted to collaborate with The Van Cliburn Foundation to present *Polymaths and the Piano*—a program that explores this vital intersection.

The Rockefeller University

The Rockefeller University is a world-renowned center for research and graduate education in the biomedical sciences, chemistry and physics. Founded by John D. Rockefeller in 1901 as the nation’s first institute for medical research, the University has a unique laboratory-based structure that encourages interdisciplinary research, which plays an increasingly critical role in scientific achievement today. This innovative approach fosters collaboration and has contributed to 21 Nobel Prizes—including those awarded to Günter Blobel in 1999 and to Paul Greengard in 2000, both in Physiology or Medicine.

The Van Cliburn Foundation

The Van Cliburn Foundation was chartered in 1961 to salute pianist Van Cliburn’s sensational victory at the First International Tchaikovsky Competition. Since the first gold medal was awarded in 1962, the Van Cliburn International Piano Competition continues, every four years, to identify outstanding young artists and to assist in the support and advancement of their careers. These winners bring the highest quality of music and musicianship to audiences everywhere. The Foundation strives to foster the thrill of classical music, especially live performance, through **The Van Cliburn International Piano Competition** and **The International Piano Competition for Outstanding Amateurs**, as well as **The Cliburn Concert Series** and school-based educational programs.

For More Information

The Rockefeller University
www.rockefeller.edu

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www.cliburn.org