ANDREW M. ODLYZKO

AT&T BELL LABORATORIES

will deliver the

LEONIDAS ALAOGLU MEMORIAL LECTURE

Primes, Quantum Chaos, and Computers

———

Tuesday, February 20, 1990, 4:15 p.m.

22 Parsons Gates

California Institute of Technology

ANDREW M. ODLYZKO

Andrew M. Odlyzko graduated with honors from Caltech in 1971, receiving both B.S. and M.S. degrees in mathematics. He did his graduate work at MIT as a Hertz Foundation Fellow and received his Ph.D. in 1975 with a thesis in Analytic and Algebraic Number Theory.

He then joined AT&T Bell Laboratories in Murray Hill, New Jersey, as a member of the Technical Staff, became Head of the Mathematical Studies Department in 1983, and in 1989 assumed his current position as Head of the Communication and Computer Systems Department.

Andrew Odlyzko's name appears as author or co-author of more than 110 research papers in the areas of computational complexity, cryptography, coding theory, combinatorics, number theory, analysis, and probability theory. One of these papers, entitled *Disproof of the Mertens Conjecture*, published jointly with H. J. J. te Riele in 1985, received international coverage in the news media when it settled a famous number theory problem that had challenged mathematicians for nearly 100 years. The argument required numerical computation of 2000 zeros of the Riemann zeta function to 100 significant decimal places.

Dr. Odlyzko is on the editorial boards of a dozen prestigious journals and has served on several panels and committees for professional societies and the National Science Foundation. He has been a visitor at the Institute for Advanced Study and has delivered invited addresses for the American Mathematical Society, the Australian Mathematical Society, and the International Congress of Mathematicians. He has also given invited series of lectures at the University of Amsterdam and at the Latin American School of Mathematics in Santiago. The Mathematics Faculty is pleased to welcome a Caltech alumnus as Leon Alaoglu Lecturer.

CALIFORNIA INSTITUTE OF TECHNOLOGY

LEONIDAS ALAOGLU

MEMORIAL LECTURE

IN MATHEMATICS

1990

The Leonidas Alaoglu Memorial Lecture was established by friends and family of the late Leonidas Alaoglu in recognition of his great talents, his distinguished contributions to mathematics, and his long friendship with Caltech. The Institute is privileged to honor his memory with a lecture each year by an outstanding mathematician.