RICHARD W. HAMMING

PERSONAL DATA

Citizenship:	U.S. Citizenship
Birth Date:	February 11, 1915
Marital Status:	Married
Residence:	1140 Sylvan Road, Monterey, CA 93940
Home Phone:	(408)649-4797
Office Phone:	(408)646-2655

DEGREES RECEIVED

1942 Ph.D., Mathematics, University of Illinois
1939 M.A., Mathematics, University of Nebraska
1937 B.S., Mathematics, University of Chicago

RESUME OF CAREER

During 1945-6 was at Los Alamos doing atomic bomb calculations.

Bell Laboratories - July 1946 to July 1976. Worked mainly in math and computing as applied to military and telephone research.

Adjunct Professor of Statistics, Princeton for 3 years (2 days a week).

Joined the Naval Postgraduate School in 1976.

HONORS

President, Association Computing Machinery
Turing Prize of ACM
Fellow IEEE
Piore Prize 1979
National Academy of Engineering 1980
Pender Prize 1981
IEEE R. W. Hamming medal named (gold medal, $10,000 prize) 1986
IEEE R. W. Hamming medal awarded 1988
Vice President Math Section AAAS
Editor of numerous journals

PUBLICATIONS

Author of books:

Numerical Methods for Scientists and Engineers - first and second editions
Computers and Society
Introduction to Applied Numerical Analysis
Calculus and the Computer Revolution

Digital Filters (3rd Edition, January 1989)

Author of papers:

A Class of Integration Formulas
The Computer as an Experimental Tool
A Computer Scientist Looks at Statistics
Error Detecting and Error Correcting Codes

Impact of Computers
Educational Implications of the Computer Revolution
Intellectual Implications of the Computer Revolution
One Man's View of Computer Science
Introduction to "Fundamental Theory of Servomechanisms"
The Mechanization of Science
A Note on the Location of the Binary Point in a Computing Machine
Nuclear Magnetic Resonance in Crystals
Numerical Analysis vs. Mathematics
Pitfalls in Numerical Analysis - IEEE Talk, March 19, 1968
Numerical Evaluation of Electron Image Phase Contrast
Stable Predictor-Corrector Methods for Ordinary Differential Equations
The Impact of Computer Technology on Management Concepts, Planning and Decision Making
Checking Techniques for Digital Computers
Social Implications of the Computer Revolution
The Effects of Computers Upon Engineering Education
Mathematical Notes
Controlling the Digital Computer
Computer Appreciation Courses
Convergent Monotone Series
Monotone Series
An Essay on Computer Science Training Programs
The Transcendental Character of COS X
On the Distribution of Numbers
Modern Control Theory
A Class of Integration Formulas
Computers and Society
An Elementary Discussion of the Transcendental Nature of the Elementary Transcendental Functions
Contributing to Modern Science and Engineering
Note on the Teaching of Trigonometry
The Effects of Computers Upon Engineering Education
The Electronic Digital Computer as an Intellectual Tool
General Purpose System
Standards for Computer Mathematics
Velocity Dependence of Contrast in Electron Images of Periodic Structures
Thinking Big Even with a Small Computer
Limitations of Computers
A Philosophy of Computer Science or My Prejudices and Confusions
How do You Know the Simulation is Relevant?
A History of Computing in the United States
Fifth Generation Computers and Beyond
The Future of Programmers
Invariance and Bertrands Paradox
The Role of the Digital Computer in Scientific Research, Past, Present, and Future
Gaussian Quadrature as a Minimization Principle
Error Correcting Codes

The Role of the Technical Societies in the Field of Computer Measurement
Statistical Estimation of Error Propagation Through Multiplication and Division
The Role of the Technical Societies in the Field of Computer Measurement
A Systems Approach to Software Testing
Noninterpolatory Quadrature Formulas
The Frequency Approach to Numerical Analysis
Compumetrics: The Way Ahead
Computers and Computing in the '70's
Commencement Talk to Engineering School, University of California, Irvine
The Distribution of Numbers - Applications
The Distribution of Numbers - Mathematical Theory
The Distribution of Numbers - Computer Theory
The Distribution of Numbers - Physical Theory
Some Thoughts on Simulation
Band Limited Functions