

TECHNOLOGY TRANSFER

LEARN HOW THIS COUNTRY'S FIRST MAJOR TRANSFER OF TECHNOLOGY—FROM A NATIONAL LAB TO A PRIVATE CORPORATION—WAS ACCOMPLISHED.


Who should attend: Laboratory officials and researchers seeking new sources of capital and venture capitalists and high-tech entrepreneurs seeking new technologies.

When: Thursday, February 21, 1985

Where: Santa Fe Hilton, Santa Fe, New Mexico

Speakers: Donald M. Kerr, *Director, Los Alamos National Laboratory*; Dr. Bruce Merrifield, *Assistant Secretary of Commerce for Technology, Productivity and Innovation*; Irving Weiman, *Prudential-Bache Securities*; A. David Silver, *Santa Fe Private Equity Fund* and Ross U. Robinson, *CEO, Mesa Diagnostics Inc.* George Gilder, author of *The Spirit of Enterprise*, will be the featured luncheon speaker.

For further details, call or write: Mary Freitas, Santa Fe Private Equity Fund, 524 Camino del Monte Sol, Santa Fe, New Mexico 87501. Telephone: (505) 983-1769.



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My name is Dr. George McCarty. I teach math at the University of California. I wrote this guidebook to cut through the confusion. I guide you with examples you follow step-by-step on your calculator — you do simple exercises — then you solve practical problems with real precision!

POWER METHODS. Need to evaluate functions, areas, volumes — solve equations — use curves, trig, polar coordinates — find limits for sequences and series? It's all here!

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Important numerical techniques? Those algorithms are here, too: rational and Padé approximation, bracketing, continued fractions, Euler's method, Heun's method, iteration functions, Newton's method, predictor-corrector, successive substitutions, Simpson's method and synthetic division.

LOOK AT WHAT USERS SAY: Samuel C. McCluney, Jr., of Philadelphia writes: *"CALCULATOR CALCULUS IS GREAT! For ten years I have been trying to get the theory of calculus through my head, using home-study courses. It was not until I had your book that it became clear what the calculus was all about. Now I can go through the other books and see what they are trying to do. With your book and a calculator the whole idea becomes clear in a moment, and is a MOST REFRESHING EXPERIENCE. I program some of the iterative prob-*

lems you suggest and it always GIVES ME A THRILL to see it start out with a wild guess and then approach the limit and stop."

Professor John A. Ball of Harvard College (author of the book *Algorithms for RPN Calculators*) writes: *"I wish I had had as good a calculus course."*

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Bridges to Infinity: The Human Side of Mathematics — Michael Guillen. These readable essays on a variety of topics in mathematics, written for the nonmathematician, convey the excitement about mathematics that the author has felt since childhood. Why there is a need for a zero in our number system, what a four-dimensional world would look like, catastrophe theory and why it is useful are just a few of the concepts that Guillen discusses as he introduces the general reader to mathematicians and their ideas. Originally published in hardback in 1983. J.P. Tarcher (HM), 1985, 204 p., paper, \$6.95.

The Effects on the Atmosphere of a Major Nuclear Exchange — NRC Committee on the Atmospheric Effects of Nuclear Explosions. Analyzes the most recent research and assesses potential atmospheric disturbance from a nuclear exchange. Reviews the need for further investigation in this critical area. Natl Acad Pr, 1984, 193 p., charts & graphs, paper, \$14.50.

Energy Productivity: Key to Environmental Protection and Economic Progress — William U. Chandler. The weakening of incentives to save energy threatens to damage the world's environment and its economy, says this Worldwatch report. Despite gains in the past decade, the world, according to the author, has barely cut into the potential for energy efficiency. The report makes international comparisons of energy use in key sectors in order to assess conservation potential. Worldwatch Inst, 1985, 62 p., paper, \$4.

Greenhouse Effect and Sea Level Rise: A Challenge for This Generation — Michael C. Barth and James G. Titus, Eds., foreword by William D. Ruckelshaus. Increasing atmospheric concentrations of carbon dioxide and other gases are expected to cause a global warming that could raise the sea several feet in the next century. This book estimates the magnitude of the future sea level rise, which the authors feel is inevitable, as well as its effects and the value of policies that prepare for it. Based on papers presented at a conference in the spring of 1983. Van Nos Reinhold, 1984, 325 p., illus., \$24.50.

Landprints: On the Magnificent American Landscape — Walter Sullivan. From the migration of the East Coast's barrier islands to the extraordinary landscape of the Hawaiian Islands, this book explores and explains the North American landscape. Inspired in part by the author's experiences flying across the United States, the book includes aerial and satellite photographs to give the reader a taste of "the greatest show on earth" — flying across the continent on a cloudless day. Not only from the air but also along the nation's highways can be seen much of the continent's dramatic history. Times Bks, 1984, 384 p., illus., \$22.50.

The Physics of the Violin — Lothar Cremer. Covers the acoustics of stringed instruments from the 19th century writings of Helmholtz to recent electroacoustic and holographic measurements. Translated from the German by John S. Allen. MIT Pr, 1984, 450 p., illus., \$35.