

## Authors

### Norman R. Clark

B.S.E.E., 1962, Oklahoma University. Joined IBM at Kingston in 1962 and worked on the Mercury and Gemini Projects. Transferred to San Jose in 1963 for work in memory development, and has recently been working there on the development of a high-speed storage unit at the Systems Development Division Laboratory. Member, Tau Beta Pi, Sigma Tau, Eta Kappa Nu, and Pi Mu Epsilon.

### L. M. Foster

B.S. in Chemistry, 1940, University of Hawaii; Ph.D. in Physical Chemistry, 1947, Brown University. Research staff, U. S. Naval Research Laboratory, 1941-2; Manhattan Project, University of Chicago, 1942-4, and Los Alamos, 1944-6. Member of the research staff of the Alcoa Research Laboratory, 1947-54 and was Chief of the Physical Chemistry Division 1954-63. Joined IBM at the Thomas J. Watson Research Center in 1963 as manager of Materials Synthesis. Member, American Chemical Society, Electrochemical Society, and Sigma Xi.

### John W. Haskell

B.S.E.E., 1951, Purdue University. Worked on electronics development for the Eastman Kodak Company 1951-53. Employed by General Electric Company in missile fuze development, 1953-56, and by the General Motors Corporation in electronics, 1956-59. Joined IBM in 1959; works at the Systems Development Division Laboratory, Endicott. Main interest is development of read-only and nondestructive-read information storage. Member, Eta Kappa Nu and IEEE.

### Thomas I. Kirkpatrick

B.S.E.E., 1958, University of California. Worked on airborne computer logic and circuit design at Hughes Aircraft, 1958-59. Returned to the University of California for graduate study in computer technology, 1959-61. While there, designed solid state instrumentation for Physics Department research in high magnetic fields. Joined IBM in 1961 to work in core storage development and is currently engaged in logic design of small scientific processors at the Systems Development Division Laboratory, San Jose. Member, IEEE.

### George G. Koerber

B.A., 1948, Hiram College; M.S., 1950, and Ph.D., 1952, Purdue University. Previously worked at Bell Telephone Laboratories, Pratt & Whitney, and Boeing. Joined IBM at the Systems Development Division Laboratory in Poughkeepsie in June 1964 and worked in the field of bit plate development. Since September 1964, has been on the faculty of Iowa State University as a Professor of Electrical Engineering. Member, Sigma Xi and American Society for Engineering Education.

### John R. Lankard

Served as Radar Technician in United States Air Force, 1950-1954. Employed by the Department of Justice as electronic specialist 1954-1960. Studied physics at Long Island University and is now attending Marist College, Poughkeepsie. Joined IBM in 1960 and is presently working on optical resonance research at the Thomas J. Watson Research Center, Yorktown.

### Manfred H. Pilkuhn

M.S., 1957, and Ph.D. in Physics, 1960, Braunschweig Technical University, Germany. Joined IBM in 1961 and has worked in the fields of injection lasers, electroluminescence and surface physics at the Thomas J. Watson Research Center in Yorktown Heights, N. Y. He is presently on leave from IBM at the Institut für Elektrophysik, Technische Hochschule Braunschweig. Member, the American Physical Society and the German Physical Society.

### Thomas S. Plaskett

B.A.Sc. in Metallurgical Engineering, 1955, University of Toronto; M. A.Sc., 1957, and Ph.D. 1959, in Physical Metallurgy, University of Toronto. Worked in the Physical Metallurgy Division of the Department of Mines and Technical Surveys, Ottawa. Joined IBM in 1962 at the Thomas J. Watson Research Center. Initially studied the growth of dislocation-free, float-zone silicon, and is presently engaged in the growth of GaP and in the study of growth defects in GaP and GaAs. Member, American Society for Metals, American Institute of Mining, Metallurgy & Petroleum Engineers, and Electrochemical Society.

**Chetlur G. Ravi**

B.Sc., 1950, Madras University, India, B.S. in Electronics, 1953, Madras Institute of Technology; M.S. in Electrical Engineering, 1963, University of Rhode Island. Worked for the government of India as electronics engineer until 1960; was teaching assistant at the University of Rhode Island, 1960-62. Joined IBM in 1962 at Poughkeepsie for work in integrated circuit development. From 1963, has been working on the characterization studies of thin magnetic films and is presently at the Systems Development Division Laboratory, Burlington. Member, IEEE and Sigma Xi.

**Wayne F. Rogers**

B.A., 1960, and B.S.E.E., 1961, Rice University; M.S.E.E., 1965, University of Kentucky. Joined IBM in 1961 at the Electric Typewriter Division Laboratories, Lexington, Ky. After military service, 1961-63, he returned to the Office

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**John E. Scardefield**

Attended Hobart College and St. Lawrence University. Has worked at the Texaco Research Center on problems in spectroscopy. Joined IBM at Poughkeepsie in 1956 and worked in ferroelectric research. Presently active in materials research at the Thomas J. Watson Research Center.

**Peter P. Sorokin**

B.S., 1952; M.S., 1953; Ph.D., 1957, Harvard University. Joined IBM in 1957 at Poughkeepsie and has worked in the fields of nuclear magnetic resonance, paramagnetic resonance, and optical masers; is now at Thomas J. Watson Research Center. Member of the American Physical Society.