

F. Terry Baker

Federal Systems Division, Gaithersburg, Maryland

Applied mathematics (S.M., Harvard University, 1963). Joined IBM in 1956. He has been concerned with information retrieval and real-time systems development. Currently, he is Chief Programmer on *The New York Times* information bank project.

Peter M. Davies

IBM Systems Research Institute, New York, New York.

Electrical engineering (B.E., George Washington University, 1959). After joining IBM in 1959, he worked on design of the 1410 and 7010 systems and development of System/360 Model 44, was responsible for architecture at the FSC engineering laboratory, and was a measurement development advisor. Since 1969, he has been a permanent staff member of SRI with interests in the areas of system architecture and performance.

Jacob E. Fromm

Research Division, San Jose, California

Physics (M.S., University of California at Los Angeles, 1955). He worked for ten years at the Los Alamos Scientific Laboratory where his work in numerical hydrodynamics began. Joining IBM in 1967, he has worked on large-scale scientific computations. He is currently using numerical methods to study the transition from laminar to turbulent flow in channels.

W. Sands Hobgood

Research Division, Thomas J. Watson Research Center, Yorktown Heights, New York

Computer and information science (M.S., University of North Carolina, 1969). Prior to joining IBM in 1969, he worked on a generalized statistical processor for tree-structured files at the Brookings Institution, Washington, D.C. His thesis research was in three-dimensional computer graphics. At IBM he has been involved in computer network and communications programming.

Ron C. Rettus

Data Processing Division, San Francisco, California

Industrial management (B.S., San Jose State College, 1965). Before joining IBM in 1968 as a systems engineer, he was a financial management systems analyst at Lockheed Aircraft Corporation. Presently, he is working in the Customer Service Center in San Francisco.

Authors

Donald E. Schreiber

Research Division, San Jose, California

Mathematics (B.A., San Jose State College, 1967). Prior to joining IBM in 1965 he was employed at the General Electric Computer Research Laboratory. At IBM he worked on the analogue input portion of the IBM 1800 computer and on large-scale scientific computations. Presently he is doing research into the graphic representation of results of scientific computations.

Ross A. Smith

Sausalito, California

Business administration (M.S., San Francisco State College, 1967) and Certified Public Accountant. Prior to joining IBM in 1968, he held various financial management and consulting positions, specializing in cost accounting systems. His assignments in IBM were in marketing and systems engineering. Currently, he is a private consultant.