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Chemical engineering (Ph.D., Columbia University, 1956). Joined IBM in 1957. Has worked on computer applications in various areas of engineering, operations research, and statistics. Currently he is working on system performance evaluation.

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Geology (B.S., University of Utah, 1947). Before joining IBM as an Applied Science Representative in 1949, he was a Geophysicist and Seismic Party Chief for Stanolind Oil and Gas Company and later was an independent consulting geophysicist. He was manager of testing, integration, and market support for IBM's CALL-OS. Was then associated with the DB/DC Systems Center where he participated in the multiple subsystems study. He is currently a Senior Development Analyst in Productivity Application Development, specializing in testing technology.

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Mathematics (M.S., Brooklyn College, 1955). Entered the computer field in 1953, joined IBM in 1963 and the Systems Research Institute in 1967. Currently he teaches courses in computer systems performance evaluation, economic systems modeling, statistical methods, and cluster analysis. He is also an active consultant in these areas.

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Chemistry (Ph.D., Princeton University, 1963). Joined the physics department of IBM's San Jose Research Laboratory in 1963 and worked in spectroscopy, crystal growth, and laboratory automation. From mid-1968 until early 1970 he was assigned to the technical staff of the IBM Vice President and Chief Scientist. From early 1970 until late 1973 he managed the Research Computation Facility in San Jose. Presently he is manager of the Molecular Dynamics Department at the San Jose Research Laboratory and is engaged in quantum chemical and statistical thermodynamics research. He is a member of the American Chemical Society, SIGMA XI, and the New York Academy of Sciences, and he is a Fellow of the American Physical Society.

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Engineering (M.S., University of Oklahoma, 1965). Joined IBM's System Development Division in 1965 and worked on compiler and assembler implementation for the IBM 1130 and 1800 systems. In 1968 he joined the Research Division, working in systems programming, user consultation, and documentation in the Research Computation Facility at San Jose. Since 1973 he has been assigned to the staff of the manager of Planning and Special Projects at the San Jose Research Laboratory, where he is responsible for research computing services.

John G. Rogers

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Mathematics (M.S., Florida State University, 1965). Joined IBM as a systems engineer in Columbia, South Carolina in 1965 after two years as programmer in the F.S.U. Computing Center. Has provided PL/I and FORTRAN programming technical support in the DPD Poughkeepsie Systems Center since 1969.

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Electrical engineering (B.S., U.S. Naval Postgraduate School, 1964). Joined IBM's Research Division in 1968 and worked in systems and applications programming. Since 1973 he has been with the General Products Division, working on procurement applications.

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Operations research (Ph.D., New York University, 1973). From 1959 until 1966, when he joined IBM, he was a member of the technical staff of Bell Telephone Laboratories, working on the design and development of the Number 1 ESS (Electronic Switching System). As a member of the research staff of IBM's Thomas J. Watson Research Center, he has investigated the performance of computer systems using analytical models, simulation, statistics, and user surveys. With two other members of IBM Research, he implemented the first version of APL that ran under OS. Currently he is manager of computer usage and service analysis.