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Dr. Chamberlin, who joined IBM in 1971 at the Research Center, has been working primarily on the design and development of time-sharing operating systems and large-scale data base applications. His education includes a B.S. from Harvey Mudd College, Claremont, California, 1966, and M.S. and Ph.D. degrees in Electrical Engineering, which he received from Stanford University in 1967 and 1971, respectively. He is a member of the Association for Computing Machinery and the Institute of Electrical and Electronics Engineers.

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Dr. Cooley joined IBM in 1962 as a staff member at the Research Center and has been working in numerical analysis and computation. His work has also included the calculation of molecular wave functions, the solution of the partial differential equations of several models of biological membranes, and the solution of electro-diffusion equations for semiconductors. His education includes an M.A. in Mathematics and a Ph.D. in Applied Mathematics which he received from Columbia University in 1951 and 1961, respectively. He previously was a programmer at the Institute for Advanced Study from 1953 to 1956 and also worked at the Computing Center of the Courant Institute of Mathematical Sciences, New York University, where he was engaged in quantum-mechanical computations.

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Mr. Friedman joined IBM in 1963 and is currently teaching courses in statistical data analysis at the Systems Research Institute. Immediately prior to joining SRI, he was a staff member of the IBM New York Scientific Center where he worked on problems in statistical classification theory. During his professional career he has also contributed to the fields of analog computation, speech recognition by computer, missile guidance and control, and real-time computer systems design. Mr. Friedman entered the computer field in 1953 as a mathematician with Project Cyclone of the Bureau of Aeronautics of the U.S. Navy. He has also worked as a mathematician for the Bulova Watch Company and the System Development Corporation, and has taught graduate courses in probability and statistics as a member of the mathematics faculty at Adelphi University. He received his B.S. and M.S. degrees in Mathematics from Brooklyn College of the City University of New York in 1952 and 1955, respectively. Mr. Friedman is a member of the American Statistical Association, the Classification Society, the New York Academy of Science, and a Fellow of the Royal Statistical Society.

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Mr. Schlaeppi is currently manager of a research project to develop compiler technology for mapping machine-independent source text into highly optimized microcode. He received his Dipl. Ing. degree in Electrical Engineering from the Swiss Federal Institute of Technology (E.T.H.), Zurich, in 1950. From 1950 until 1952 he was a Teaching Assistant at the Department for Telecommunications, E.T.H. From 1952 until 1956 he was a Research Assistant at the Department for Applied Mathematics, E.T.H., where he designed the logic circuitry and magnetic drum memory for the ERMETH computer. Since joining IBM Research in 1956 he has held assignments in memory technology, nanosecond pulse techniques, machine organization, programming language implementation, hardware specification languages, and operating system design. Mr. Schlaeppi is a member of the Association for Computing Machinery and the Institute of Electrical and Electronics Engineers.

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