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Dr. Anderson works in system measurement and evaluation at the Thomas J. Watson Research Center. He has been with IBM since 1965, specializing in computer-aided design of integrated circuits and computer performance evaluation. His education includes a B.S. in mathematics, University of Rhode Island, 1961; an M.S. in physics, Trinity College, 1965; and a Ph.D. in systems and information science, Syracuse University, 1972, where he was an IBM Resident Study Fellow. Prior to joining IBM, Dr. Anderson was a system analyst at the United Aircraft Research Laboratory, 1961 to 1964, and at Booz, Allen Applied Research, 1964 to 1965. He is a member of the Association for Computing Machinery.

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Mr. Beatty joined IBM in 1957 and is currently an advisory programmer at the Poughkeepsie laboratory. His education includes B.S. and M.A. degrees in mathematics from the University of Michigan, 1956 and 1957, respectively. He has done original research in automata theory and received an IBM Corporate Outstanding Contribution Award for his work on compiler optimization. He is a member of the Association for Computing Machinery.

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Mr. Belady is manager of a project on data security at the Thomas J. Watson Research Center. Since joining IBM in 1961 he has worked in program behavior, memory management strategies, and computer graphics—first as a member of the team developing IBM's first computer with virtual machine organization and later as manager of graphics research. He was a Mc-Kay Lecturer at the University of California at Berkeley from

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Dr. Chang is a staff engineer in the analysis department at the Burlington laboratory, having joined IBM there in 1968. He received a B.S. from National Taiwan University, Taipei, in 1961, and an M.S. from the University of California at Berkeley in 1963, both in electrical engineering. He received his Ph.D. degree in applied physics from Harvard University in 1969. Dr. Chang is a member of the Institute of Electrical and Electronics Engineers and Sigma Xi.

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Mr. Lever is an advisory engineer working on semiconductor processing techniques. He joined IBM at the Thomas J. Watson Research Center in 1960 where he was involved with the study of epitaxial growth by chemical reaction techniques, and the study of chemical reactions at surfaces at low pressures. From 1958 to 1960 he was with the Research Division of the Philco Corporation, Philadelphia. He previously was a scientific of-

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#### **Peter Pistor**

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Mr. Pistor is an advisor for application research at the Scientific Center. He has been with IBM since 1968, working on processing of biomedical signals, especially of scintigraphic images. His education includes a B.Sc. in pharmacy, Apotheker-Kammer Aachen, 1959; a B.Sc. in physics, Technical University of Aachen, 1962; and an M.Sc. in geophysics, University of Münster, 1966. From 1967 to 1968 he was with the German Weather Service. In 1972 he received an award for his work in scintigraphy from IBM Germany. Mr. Pistor is a member of the German Geophysical Society and of the Glaciological Society of Cambridge, United Kingdom.

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