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Mr. Belady is Senior Manager of Software Engineering, conducting research in program design and development methodology. He has also contributed to the fields of program behavior, memory management, computer graphics, and secure operating systems. Mr. Belady was a member of the team that produced the experimental M44/44X machine with virtual machine organization and also worked on TSS-67, a time-sharing system. Prior to joining IBM in 1961, Mr. Belady worked as a design engineer in Hungary, Germany, and France. He has held many academic posts, and is currently Senior Editor of the *IEEE Transactions on Software Engineering*. Mr. Belady holds the Aeronautical Engineering Degree (Honors) from the Technical University of Budapest.

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Mr. Dyer joined the IBM Federal Systems Division in October 1965, having spent ten years in software development for large data processing systems. At IBM, he has been associated with the software development and integration engineering of complex systems. He recently completed an assignment with the software engineering technology group within FSD. Mr. Dyer received a B.S. degree in mathematics from Fordham University.

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Mr. Gordon is a senior industry analyst in the West Coast Application Development Center of IBM's General Systems Division, Menlo Park, California. He joined IBM in 1966 as a technical writer and has been involved in the MACS project since 1969. He worked on the development of MACS and currently is involved in application design. Mr. Gordon received his B.A. in English in 1963 from the University of Michigan.

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Since joining IBM in 1958, Mr. Evangelisti has worked in the areas of character recognition, computers in medical diagnosis, computer graphics, signature verification, hardware description languages, and software methodology. He is presently involved in experiments related to terminals and human interaction involved in an office environment. Mr. Evangelisti received a B.E.E. from Union College in 1958 and an M.S. degree from Syracuse University in 1965.

Shmuel Katz

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Dr. Katz has been a research staff member at the IBM Israel Scientific Center since 1976. In addition, he is an adjunct lecturer at the Technion, Israel Institute of Technology, and was a visiting lecturer at the University of California, Berkeley, in 1977-78. His research has centered on the discovery and use of invariants in

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Richard C. Linger

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Mr. Linger is a senior programmer in the Federal Systems Division. He joined IBM in 1964, working in software architecture and development for space systems. Since 1971 he has contributed to the development of software engineering concepts. He created and taught the first technical and management courses in structured programming in FSD, and is co-author, with Harlan D. Mills and Bernard I. Witt, of *Structured Programming: Theory and Practice*, Addison-Wesley Publishing Company, Inc. Mr. Linger was responsible for development of the FSD Software Design Practices, and is editor of a divisional publication on software engineering. He received a B.S. degree in electrical engineering from Duke University.

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Dr. Mills has been employed by the IBM Corporation since 1964. He received an Outstanding Contribution Award in 1973 for new programming methodologies, including top-down program design, techniques used for structured programming, and the Chief Programmer Team concept. Dr. Mills was named an IBM Fellow at that time. He served on the Corporate Technical Committee in 1973-74. He was director of software engineering and technology in the Federal Systems Division. Dr. Mills received a Ph.D. in mathematics in 1952 from Iowa State University. He was named an Honorary Fellow by Wesleyan University in 1962, and a Fellow of the Association of Computer Programmers and Analysts in 1975. He has served on faculties of the Iowa State University, Princeton University, New York University, and The Johns Hopkins University. Dr. Mills has been Adjunct Professor of Computer Science at the University of Maryland since 1975.

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Dr. Mishelevich is Professor and Chairperson of the Department of Medical Computer Science at the Southwestern Medical School of The University of Texas Health Science Center at Dallas (UTHSCD), for eight years was Director of the Medical Computing Resources Center at UTHSCD, and serves as Technical Advisor for Information Services at the Dallas County Hospital District (Parkland Memorial Hospital). He specializes in the areas of hospital information systems, application development systems, clinical decision making, cost-benefit analysis, and negotiations and contracts. He has authored or coauthored over 50 papers and is now and has been a consultant for a number of organizations. Dr. Mishelevich, who also has a faculty appointment in the Department of Internal Medicine, received a B.S. in physics from the University of Pittsburgh in 1972, an M.D. from The Johns Hopkins University School of Medicine in 1966, and a Ph.D. in biomedical engineering from Johns Hopkins in 1970.

Donald O'Neill

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Mr. O'Neill joined IBM in 1960, and has had technical and managerial assignments in space systems, programming systems and languages, management information systems, communication systems, and shipboard systems. He received an Outstanding Contribution Award for software development planning for the Trident submarine command and control system. Mr. O'Neill recently completed an FSD Headquarters assignment as manager of software engineering, with responsibility for the origination of FSD software strategies and the preparation of software engineering practices. Mr. O'Neill received his B.S. degree in mathematics from Dickenson College.

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Mr. Power has been a research staff member at the IBM Thomas J. Watson Research Center since 1970. He is currently working in the field of software technology. Since joining IBM in 1963 as a member of the Service Bureau Corporation, Mr. Power has designed and implemented systems for I/O control, interactive computing, information retrieval, text processing, and sorting. He received his B.A. degree in physics from Cornell University in 1963 and has attended the IBM Systems Research Institute in 1967 and 1969.

Robert E. Quinnan

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Mr. Quinnan joined the IBM Federal Systems Division in July 1965. He has held technical and managerial positions in software development for ground support systems for complex missile and space systems. Currently he is the development manager for the FSD software development activities for the NASA Space Telescope effort. Mr. Quinnan received a B.M.E. degree from the University of Detroit.

Lawrence J. Risman

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Dr. Risman was a lecturer of mathematics at the Technion, Israel Institute of Technology, before joining the IBM Israel Scientific Center in 1977 as a Research Fellow. His research interests include use of computers for agricultural management, design and implementation of a special computer language for linear programming, algebra, and division rings. He has taught at the Massachusetts State College, Fitchburg, MA, and worked as a computer programmer at USM, Research Division. He received his B.S. in mathematics from the Massachusetts Institute of Technology in 1967, and his M.A. and Ph.D. in mathematics from Harvard University in 1969 and 1973, respectively.

Michael Rodeh

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Dr. Rodeh joined IBM in 1976 as a research staff member of the IBM Israel Scientific Center. In addition he is an adjunct lecturer at the Technion, Israel Institute of Technology. He is currently a project leader on computerized aids for farm management of which the system for constructing linear programming models is a part. His main areas of interest and research are graph algorithms, complexity of algorithms, and data structures. He received his B.S. in mathematics and physics from the Hebrew University, Jerusalem, Israel (1969), M.S. in computer science from the Weizmann Institute of Science, Rehovot, Israel (1971), and D.Sc. in computer science from the Technion, Haifa, Israel (1976).

Don Van Slyke

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Mr. Van Slyke is an Advisory Health Industry Specialist in the Dallas Branch Office. He joined IBM in 1974 as a systems engineer at Dallas, where he worked with Parkland Hospital to move their system from DOS standard to SVS while installing the IBM Health Care Support DL/I Registration and Admission packages. In 1976, he was author of two Health Industry Field Developed Programs. In 1977, he became a Health Industry Specialist and was involved in the evaluation and validation of a hospital information system (and integrated application development system) developed by Duke University. From 1977 to 1979 he worked with Parkland to install this system and to facilitate migration to MVS. During this time, several application systems were developed using the PCS Application Development System, including the IBM PCS/Radiology Installed User Program. Mr. Van Slyke is currently PCS architectural design advisor for Health Industry and is also working with Parkland to develop a patient accounting system. He received his B.A. in mathematics in 1969 and his M.S. in computer science in 1974 from the University of Texas.