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NOTES ABOUT AUTHORS

Abraham Charnes ("Measuring, Modeling and Monitoring Quality of Life" and "A Model to Study Revenue Sharing and Account for Regionalized Economic Activity and Social Goals") is a University System Professor, Jesse H. Jones Professor and Director of the Center for Cybernetic Studies in the University of Texas System. He received an A.B. in Mathematics, Physics and Engineering, an M.S. in Mathematics and Physics and a Ph.D. in Mathematics from the University of Illinois. Professor Charnes is author or co-author of over 250 research papers in management science and applied mathematics and three books, translated into Russian, Japanese and Czechoslovakian. His fields of scientific interest include mathematical methods in management, systems analysis and biomathematics. He is a founder and Past President of The Institute of Management Sciences and a Fellow of ORSA, Econometric Society and the American Association for the Advancement of Science. He has been an industrial consultant for over 100 firms during the past 20 years in management science and systems analysis, has pioneered applications of mathematical programming in industry and engineering, and has directed ONR and other agency supported research in mathematical programming and operations research for the past twenty years.

Claude S. Colantoni ("Revenue Sharing, Regionalized Economic Activity and Special Goals") is an Associate Professor of Administrative Processes and Political Economy at Carnegie-Mellon University. He received a B.S. in Mathematics from the University of Michigan, a M.S. in Administrative Science from Wayne State University and a Ph.D. in Management Science from Purdue University. Professor Colantoni's publications appear in *The Journal of Mathematical Sociology*, *The Accounting Review*, the *Financial Analysis Journal*, and *Accounting Perspective* as well as *Management Science*. As well as contributing to the body of written work concerning the Management Sciences, Professor Colantoni finds time to serve as a consultant to the Accounting Objectives Study Group, the Westinghouse Environmental Systems C, the Office of Education in Washington, the Pittsburgh Public School System and the Legal Technical Advisory Services in Pittsburgh. He is also Chairman of the Faculty Budget Committee at Carnegie-Mellon University and a member of the University Planning Council, the Faculty Senate, and the Masters Degree Program Committee. Professor Colantoni's current research interests encompass using mathematical models

to study administrative processes in the public sector including accounting for social goals, accountability models in public education, and multiple criteria budgeting models. The economics of the public sector including cost benefit studies, regulatory policy and welfare economics and social choice and group decision processes are also topics of Professor Colantoni's research. Professor Colantoni is a member of TIMS, The American Economics Association, The Public Choice Society, the American Accounting Association and the Systems Education Committee.

W. W. Cooper ("Measuring, Monitoring and Modeling Quality of Life" and "A Model to Study Revenue Sharing and Account for Regionalized Economic Activity and Social Goals") is Dean of the School of Urban and Public Affairs at Carnegie-Mellon University in Pittsburgh, and also serves as Departmental Editor (Public Administration) for Management Science. With Professors A. Charnes and G. Kozmetsky, Professor Cooper served as a member of the committee which organized the distinguished lectures for TIMS XIX in Houston and which subsequently edited these papers for inclusion in the present volume. Professors Charnes, Cooper and Kozmetsky are all past presidents of TIMS.

George Bernard Dantzig ("The ORSA New Orleans Address on Compact City") considered a world leader in mathematical programming and the applications of mathematics and computers, is co-author of *Compact City*, soon to be published by W. H. Freeman and Company, San Francisco. The book discusses the consequences of urban overgrowth and develops plans for a spacious, low-density city. At maximum size, Compact City could comfortably and conveniently house two million people on nine square miles of land.

Professor of operations research and computer science at Stanford University since 1966, he acted as chairman of the Operations Research Center at the University of California at Berkeley (1960-1966). Previously, he was a research mathematician for the RAND corporation (1952-1960); a mathematical advisor at U.S. Air Force headquarters (1946-1952); chief of the Air Force's Statistical Controls Combat Analysis Branch; and a junior statistician at the U. S. Bureau of Labor Statistics (1937-1939).

He holds degrees in mathematics from the University of Maryland (A.B. 1936); the University of Michigan (M.A., 1937); and the University of California at Berkeley (Ph.D., 1946). He is past president (1966) of the Insti-

tute of Management Science and a member of the American Mathematical Society and the Society for Industrial and Applied Mathematics. He is a fellow of the Econometric Society, the Operations Research Society of America, the American Association for the Advancement of Science and the Institute of Mathematical Statistics.

The author of *Linear Programming and Extension* (1963) and over 100 technical papers, Dr. Dantzig is associate editor, or on the editorial boards of *The Journal of Combinatorial Theory*, *The Journal of Linear Algebra and Its Applications*, *The Journal of Computers and Biomedical Research*, *The Journal of Computer and System Sciences*, *Discrete Mathematics*, *Networks*, and *Mathematical Programming Society*.

Dr. Dantzig has served as a consultant on mathematical methods to Esso Research and Engineering, Standard Oil of California and Boeing Scientific Laboratories. He is a member of the board of governors of Technion University, Israel; Phi Kappa Phi; Sigma Chi; and Pi Mu Epsilon. He is listed in *Who's Who in America*, and was awarded the War Department's Exceptional Meritorious Service Medal in 1944. He was elected to the National Academy of Sciences in 1971.

Michael A. Duggan ("The Law and the Legal Process") is a Professor of Business Law and Computer Sciences at the University of Texas at Austin, as well as a member of the Atomic Energy Safety and Licensing Board Panel. He holds a B.S. in Mathematics from Holy Cross College, a J.D. from Boston College Law School, and a M.P.L. from Georgetown University Graduate Law School.

Dr. Duggan is the author of four books, definitive continuing bibliographies, over 70 articles and monographs, more than 110 book and article reviews, and over 200 case précis. In addition to his writings, Dr. Duggan has consulted with over 15 firms and government agencies within the last 5 years, and has "chaired" more than 30 workshop panels and symposia. He has testified before Congressional committees, as well as appearing as an expert witness in legal and regulatory proceedings. Dr. Duggan is a member of the Association for Computing Machinery, the American Bar Association, the American Marketing Association, and is a Commander in the Active Naval Reserve, Research Analysis Division D-1. He is Editor-in-Chief of *Computing Reviews*. He formerly was a Trial Attorney with the Antitrust Division of the U.S. Department of Justice, and was an Assistant Professor of Economics at the Whittemore School, University of New Hampshire.

Neil Jacoby ("Organization for Environmental Management—National and Transnational") is a professor in the Graduate School of Management of UCLA, of which he was the founding dean, combining the careers

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Kenneth O. Kortanek ("Revenue Sharing, Regionalized Economic Activity and Social Goals") is a Professor of Urban and Industrial Administration and Operations Research at Carnegie-Mellon University. He received a Ph.D. in Engineering Science from Northwestern University and is interested in numerical optimization and pollution abatement, Semi-infinite programming and moment prob-

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Herbert A. Simon ("Technology and Environment") is a Richard K. Mellon Professor of Computer Science and Psychology at Carnegie-Mellon University in Pittsburgh. He received an A.B. and Ph.D. in Political Science from the University of Chicago and served on the faculty at the Illinois Institute of Technology and the University of California, Berkeley before assuming his present position. Professor Simon is the co-author of *Administrative Behavior*, and *The Shape of Automation, Human Problem Solving* and the author of *The Sciences of the Artificial*. He is currently engaged in research concerning information processing psychology, simulating human problem solving and thinking processes with computers. Professor Simon is a member of the National Academy of Sciences.