COLUMBIA UNIVERSITY
CENTER FOR COMPUTING ACTIVITIES

TWENTY-FIFTH ANNIVERSARY SYMPOSIUM
Friday, September 30, 1988

COMPUTING AT THE UNIVERSITY: PAST AND FUTURE

Speakers

Theodore R. Bashkow, Professor of Computer Science, received the B.S. degree from Washington University (St. Louis) in 1943 and an M.S. and Ph.D. degree from Stanford University in 1947 and 1950, respectively.

He was a member of the Technical Staff at RCA, David Sarnoff Laboratory, Princeton, N.J. from 1950 to 1952 and at Bell Laboratories, Murray Hill, N.J. from 1952 to 1958. He joined Columbia University in 1958 and served as Associate Professor of Electrical Engineering, became Professor in 1967 and served as Chairman of the Department from 1968 to 1971. He is currently a Professor in the Department of Computer Science.

His research interests have been in computer-communication networks and high performance computer architecture. He has consulted for numerous companies which provide services or products in his field of interests. In 1985-1986 his Sabbatical leave was spent as a member of the Technical Staff at the CHoPP Computer Corporation.

He was Chairman of the Scientific Secretaries Committee for the IFIP Congress 1965 and Chairman of the Technical Program Committee for the 1968 SJCC.

Paul Douglas Clayton, Ph.D., is Professor of Information Science in Medicine, Director of the Center for Medical Information Sciences at Columbia University and Director of Clinical Information Services at the Presbyterian Hospital. He is currently participating in the development of an integrated information system for the Columbia-Presbyterian Medical Center. Prior to his arrival at Columbia University, he spent 15 years in the Department of Medical Informatics at LDS Hospital and the University of Utah in Salt Lake City. His research interests center on techniques for computer-assisted medical decision making.

Ira Fuchs, Vice President for Computing and Information Technology of Princeton University, received his M.S. in Computer Science from Columbia University, and began his career at CUCCA as a systems programmer and systems manager. In 1973 he became Executive Director of the Computer Center of the City University of New York, and was Vice Chancellor for University Systems of the City University of New York from 1980 to 1985. He has been at Princeton since 1985. Ira has served as Executive Director for networking of Educom, and is Chairman of BITNET, Inc.

Ken King is President of Educom, a nonprofit association that serves as a resource for colleges, universities, and research institutions in all aspects of information technology.

He received the Ph.D. in physics from Columbia University in 1962. From 1957 to 1962 he was Manager of the Watson Scientific Computing Laboratory. In 1962 he took the first steps in the founding of the Columbia University Computer Center, which opened its doors on January 2, 1963. Ken was Director of the Center until 1971, when he became Vice-Chancellor for University Systems of the City University of New York. In 1980 he left New York City to become Vice-Provost for Computer Services at Cornell. Ken has been President of Educom since 1987.

Cyrus Levinthal, William R. Kennan, Jr., Professor of Biological Sciences at Columbia, received the Ph.D. in physics in 1951. From 1951 to 1957 he was Professor of Physics at the University of Michigan, and a Doctoral Fellow at the Pasteur Institute in 1953. From 1957 to 1968 he was Professor of Biophysics at M.I.T., where he began his pioneering work in computer graphics. He has been at Columbia since 1968, twice serving as chair of the Department of Biology.

Herbert Schorr, Director, Enterprise Systems, IBM, is a graduate of the City University of New York and received his Ph.D. in Electrical Engineering from Princeton University in 1962. He joined IBM after a year at Cambridge University as a post-doctoral fellow and a year at Columbia University as an Assistant Professor.

Dr. Schorr's career at IBM has included development, research and corporate planning assignments. Specific positions he has held include: Vice President, Product and Service Planning, Advanced Systems Development Division; Vice President, Systems, Research Division; and E.S. Director, Advanced Systems, Enterprise Systems.

In his current position he has product, marketing, and deployment responsibilities for AI within IBM and similar responsibilities for image-enhanced systems.

Vladimir Ussachevsky, Professor of Music, received his B.A. from Pomona College and a Ph.D. from the University of Rochester. He came to Columbia University in 1947 after serving in the U.S. Army for three and one half years. While in charge of all listening facilities in the Department of Music, he became fascinated with the radical timbre changes produced by mere space changes on the tape recorder and by the feedback effect introduced to him by a then engineering student, Peter Mauzey.

His first experiments, presented at the MacMillan Theater on May 5, 1953, were the earliest demonstrations of the creative potential inherent in the electronically and mechanically modified meters recorded on magnetic tape. Recognition of the growing potential of the electronic medium led to the establishment of the first large Electronic Music Center through a five year grant given to Columbia and Princeton Universities by the Rockefeller Foundation. The Columbia-Princeton Electronic Music Center became a model for other centers in the United States. Professor Ussachevsky became the Chairman of the Committee of Direction for the Center, other members of which were Professors Otto Luening, Milton Babbitt, and Roger Sessions. In due course, a liason came into being with the Computer Science Department at both Universities as well as with Bell Laboratories, Murray Hill, New Jersey. Professor Ussachevsky retired from Columbia in 1980 but maintains a lively and productive interest in computer music activities at Columbia, Princeton, and the University of Utah, where he is Composer-in-Residence.

Robert Wedgeworth joined the Columbia University School of Library Service as its sixth Dean in 1985. He graduated from Wabash College in Indiana and received the MLS from the University of Illinois. He came to this position after having served as Executive Director of the American Library Association from 1972-1985.

President Gerald Ford appointed Mr. Wedgeworth to the National Commission on New Technology Uses of Copyrighted Works, whose final report was published in 1978. He also chaired the Library Advisory Group to the Librarian of Congress and served a four-year term (1975-1979) on the Biomedical Library Review Committee of the National Library of Medicine.

Dean Wedgeworth serves on the Advisory Council for the Library of Congress Center for The Book and is on the Board of Directors of the Public Service Satellite Consortium (PSSC). He is a member of the Board of Trustees of the Newberry Library in Chicago and serves on advisory committees to the Brown University and Miami University Libraries. In 1985 he was elected to the Executive Board of the International Federation of Library Associations and Institutions which is headquartered in the Netherlands.