
About the Contributors

WILLIAM G. BEAZLEY is founder and president of Knowledge Base International, a Houston-based consulting and publishing firm. The firm specializes in analysis, planning, implementation, and review of advanced automation systems. Dr. Beazley is also editor of the CALS Report. At Lamar University, he is investigating knowledge base error, system independent knowledge models, and integration of expert systems with CAD/CAM/CAE. He has published papers on graphics displays and expert design behavior. He continues to write and teach on the selection and implementation of advanced automation in design and engineering. Dr. Beazley has an M.S. and Ph.D. in Mechanical Engineering from the University of Texas at Austin.

HOWARD BESSER is Assistant Professor of Library and Information Science at the University of Pittsburgh. From 1974 to 1989 he worked with visual collections at the University of California at Berkeley as Information Manager for the University Art Museum and later as Image Database Specialist for the central campus Computer Center's Advanced Technology Planning group. He has been involved with the UC Berkeley Image Database Project since its inception. Dr. Besser has published articles on automation of image collections in a number of different publications and is a frequent speaker at professional conferences.

JEANNE M. KEEFE is Graphics Curator for Rensselaer's Architecture Library. Ms. Keefe has a B.A. in fine arts/museum studies from Russell Sage College and an M.S. in Science and Technology Studies from Rensselaer Polytechnic Institute. Previously Ms. Keefe was Assistant Archivist for the Armenian Architectural Photographic Archives Project (also based at Rensselaer) which published its first four volumes of microfiche and text during her tenure. She was a presenter at the ARLIS Conference in Dallas, Texas, during February 1988 and also at the ACRL's conference for academic and special librarians at Syracuse, New York, in March 1990.

LOIS F. LUNIN is an information scientist and a consultant, writer, and editor of *Perspectives*, a regularly published journal within the *Journal of The American Society for Information Science*, who does fiber constructions and has been juried into several national and regional art exhibitions.

TONI PETERSEN is Director and one of the founders of the Art and Architecture Thesaurus project of the Getty Art History Information Program. She was previously Director of the Bennington College Library (1980-86) and Executive Editor of RILA (1972-80). Ms. Petersen lectures and publishes on authority control and on the AAT and serves on the NISO committee to revise the ANSI standard for thesaurus construction and on the subject analysis committee of the ALA. She is past president of the Art Libraries Society of North America, she is on the advisory board of the Clearinghouse Project on Art Documentation and Computerization, and a member of the subcommittee on AAT implementation of the RLG's Art and Architecture Program Committee.

GARY A. SELOFF is the curator of the Film Archives at NASA's Johnson Space Center in Houston, Texas. He has an M.A. in Art History from the University of Texas at Austin. Mr. Seloff is an active writer and consultant in the area of visual resources collection automation, and for the past six years has been one of the leaders of a summer workshop, "Microcomputer Applications in Visual Resource Collections" at the University of Texas at Austin.

GERALD STONE is Chief, Information Services Section, Documentary Art and Photography Division, National Archives of Canada, Ottawa, Ontario, Canada. He is Chair of the Graphics Materials Working Group of the Bureau of Canadian Archivists' Planning Committee on Descriptive Standards. Mr. Stone has an M.L.S. from McGill University and is a member of Beta Phi Mu.

PHILIP SYLVAIN is Optical Disc Advisor, National Archives of Canada, Ottawa, Ontario, Canada where he is responsible for planning, analyzing, and implementing the use of optical disc technology. Philip Sylvain has a diploma in Electrical Engineering Technology from George Brown College, Toronto, Ontario, Canada.

GEORGE R. THOMA is Chief of the Communications Engineering Branch of the Lister Hill National Center for Biomedical Communications, a research and development division of the National Library of Medicine. He has a Ph.D. in Electrical Engineering from the University of Pennsylvania. He has developed and evaluated systems involving image processing, document image storage on digital optical discs, high-speed image transmission, analog videodiscs and satellite communications. His recent work has been in applying electronic imaging techniques in document preservation and document delivery. He has published and spoken widely on these topics.

FRANK L. WALKER is a senior electronics engineer on the staff of the Lister Hill National Center for Biomedical Communications, and research and development division of the National Library of Medicine. He received both the B.S. and M.S. in electrical engineering from the University of

Maryland. Mr. Walker has designed, developed, performed research, and published a number of papers on complex computer systems utilizing electronic imaging, primarily for the purpose of electronic document storage and retrieval.

HAROLD E. THIELE, JR. is a doctoral student in the Graduate School of Library and Information Science at the University of Texas at Austin. Mr. Thiele also works as a research librarian specializing in online databases at the Texaco Chemical Co. in Austin. He has devoted a number of years studying heraldry and related graphic-based information systems. His current research interests are in classification systems, information retrieval, data structures, and the valuing of information.

MARK E. RORVIG is the Founding Director of the Project ICON Image Scaling Laboratory at the University of Texas at Austin. He is currently a staff scientist and project manager for image publishing and image access at the Johnson Space Center. He is the inventor of the Visual Thesaurus and has also contributed a number of pattern recognition algorithms. Dr. Rorvig received his M.S. and Ph.D. degrees from Columbia University and The University of California at Berkeley. His dissertation won the Doctoral Forum Award from the American Society for Information Science in 1987.