

**TAGA  
HONORS AWARD 1997**

**to**

**DR. EDWARD M. GRANGER**



*for his 43 years of dedicated services to the imaging sciences and graphic arts including 34 years at Kodak, for his wide range of optical, image quality, color, and graphic arts projects and accomplishments including an AM stochastic screening system, a new spectroradiometer, and new linear color spaces to simplify color reproduction, for his 33 technical paper including two at TAGA Conferences, 17 patents, and 46 theses supervised at RIT CIS and the School of Printing, TAGA honors Dr. Edward M. Granger.*

DR. EDWARD M. GRANGER has been a Principal Scientist at LightSource Computer Images in Larkspur, CA since retiring from Eastman Kodak Company in 1991. He attended the University of Rochester where he earned three degrees: B.S. - Optics 1957, M.S. - Mathematics 1969, and Ph.D. - Optics 1975. He joined Kodak in 1957 as a Research Associate. From 1977 to 1989 he taught a number of courses at Kodak and RIT School of Photography (now CIS), and from 1989 to 1992 he was a member of the graduate faculty at RIT's School of Printing.

Most of Dr. Granger's research before 1985 was on *Optical Design Image Quality*, *Metrology*, and *Color* some of which laid the foundation for his research in graphic arts. He joined the Kodak Graphic Imaging Systems Division in 1985 and started working with Chuck Reinhart and Dave McDowell (both previous TAGA Honors Awardees) on the beginnings of WYSIWYG and device independent color that resulted in their development of the Q-60 target that has been adopted as an IT-8 standard. One of Dr. Granger's patents on appearance base matching is the basis of the color control for Kodak's successful *Approval* digital color proofing system. During the early development of *Approval*, he invented a unique AM stochastic screen and a novel holographic laser imagesetter that worked with the screens.

Since Dr. Granger has been with LightSource Computer Images, he has designed the low cost Colortron Spectroradiometer and Color Shop software. In addition, he has started to apply some of his research in vision models at Kodak to develop a new linear color appearance space called ATD that promises to complete the simplification of color reproduction attempted by GCR.

Dr. Granger has presented and/or published 33 technical papers (10 with co-authors) of which two were at TAGA, has 17 patents (10 with co-authors) and has supervised 46 graduate theses at RIT's CIS and School of Printing. For all these accomplishments, Dr. Edward Granger has been named to receive the TAGA Honors Award.

**TAGA  
HONORS AWARD 1997  
to  
RAYMOND J. PRINCE**



*for his 39 years of dedicated service to the graphic arts as a technical consultant, lecturer, trainer, and author for GATF, for his over 730 TPA's and 390 lectures at industry programs, for conducting 10 GATF seminar subjects and three at RIT, for his four technical papers at annual TAGA conferences, for his services as a TAGA Board Member, Executive Vice President, and President, for his skill in obtaining corporate contributions for TAGA and for his dedicated service to education, TAGA honors Raymond J. Prince.*

RAYMOND J. PRINCE is a senior technical consultant in the Technical Services Group at GATF. His 39 years in printing started at the age of 14 when he found an old second hand press in his attic with which he started his own printing business. He sold the business when he went to RIT to get a B.S. in printing management which he followed with an M.S. in printing management at South Dakota State University. He joined GATF in 1966 as a technical specialist in the Special Programs Department where he coordinated continuing education programs, seminars, workshops, and conferences. He left GATF in 1970 to join Azoplate, a division of American Hoersch Corp., as an applications manager, directing the design, development and manufacture of graphic arts equipment.

Ray rejoined GATF in 1978 as a technical consultant conducting Technical Plant Assessments (TPA's) which offer in-plant analysis of printers' production facilities and capabilities. He has conducted over 730 TPA's. As a printing specialist, Ray also presents technical seminars and in-plant training programs. He has co-authored two GATF text books and authored a Technical Service Report and prepress technical problem-solving articles titled "How I See It" for GATFWorld, GATF's bimonthly publication. As a lecturer and trainer Ray teaches 10 GATF seminars and three at RIT, having presented some 390 lectures. He has also presented four technical papers at annual TAGA conferences.

Ray is a member of the Board of Directors of the National Scholarship Trust Fund (NSTF) and chairs its Marketing/Fund-Raising Committee. He was elected to the TAGA Board in 1986 and served as Executive Vice President in 1989 and as President in 1991. In 1992 NAPL named him Craftsman of the Year. The same year he assumed the post of senior technical consultant at GATF. In 1994, GATF honored him with its Industry Education Award. In 1996, TAGA named a graduate fellowship in his honor, and in 1997 Ray Prince receives the TAGA Honors Award.