

PREFACE

This year the Television Conference introduced a tutorial program in which 187 people participated. The full-day tutorial on post-production techniques, was held one day prior to the technical papers program, and was highly praised by those who attended. During the conference papers program in excess of 500 people met to exchange, in an open forum, their ideas, opinions, problems, opportunities, and solutions.

As our Society approaches its 75th Anniversary, I believe its founders would be pleased to see their efforts rewarded and desires fulfilled. Since the SMPTE's inception, film has merged with television, mono with color, composite with component, analog with digital, and other technologies too numerous to mention have successfully been integrated into our everyday life. In the future we shall merge existing traditional technologies with as yet unenvisioned new technologies.

We have accomplished these mergers successfully and shall continue to do so simply because we do meet to fulfill the goals and objectives of the Society. We educate, converse, exchange, foster, and take a leadership role in the difficult and time consuming, though essential task of developing standards to successfully merge these technologies. The members' active participation in the Society and its activities creates a symbiotic relationship in which the Society's and the individual members' challenges and objectives can be mutually fulfilled.

The body of work published herein represents the authors' approaches to the successful merger of a wide variety of technologies with our Society's root technologies. It is my hope that they aid you in the challenges which lie ahead.

Approximately one year ago, at a local SMPTE meeting, we were discussing the multitude of technical disciplines which have coalesced to become today's television technology, when Paul Montgomery interjected that what we were discussing was the merging of multiple technologies. Paul's interjection became the theme for the 24th Annual SMPTE Conference and I had found a Program Co-Chairman. Thanks to the exemplary efforts of Paul, the authors, Spouses Co-Chairwomen Nancy Walters and Kay Smith, and the entire Caribbean Section team, led by General Arrangements Chairman David Walters, the 24th Annual Television Conference has become yet another successful milestone in the history of our Society.

Clyde D. Smith
Program Chairman



Clyde D. Smith has 20 years of broadcast engineering and communications experience, beginning in Bangor, Maine in avionics and then with WGUY A.M., WEMT-TV, WABI AM - FM and TV. In 1976 he became Chief Engineer of WCJB-TV in Gainesville, Florida. He was Chief Engineer for WTLV-TV in Jacksonville, Florida for seven years. In 1987 Smith joined Lockheed Space Operations Company at Kennedy Space Center, Florida, as Senior Communications Coordinator, and has since been promoted to Lead Engineer for Communications Design of Wideband, Fiber Optic, and Television Systems. Since starting at the Kennedy Space Center he has received two Lockheed Space Operations Commendations and two Shuttle Processing Contractor Team Awards. Smith is active in the Florida Caribbean Section of SMPTE, serving as Program Chairman for one year, two years as Secretary/Treasurer for the Florida Caribbean Section, and was Program Chairman for the 24th Annual SMPTE Television Conference. He served two years as Program Chairman for the Jacksonville, Florida SBE Chapter. He also served as a faculty advisor for engineering course curriculums, and has been a speaker at SBE and ITVA meetings. Clyde's wife Kay served as Spouses Program Co-Chairwoman for the 24th Annual SMPTE Television Conference. His two children are Broadcasting & Communication majors at the University of Florida.