94th Semiannual Technical Conference

Boston — October 13–18

President Reid H. Ray, Dr. Arthur C. Hardy and Local Arrangements Chairman Charles W. Wyckoff.

The Fall Technical Conference of the Society was the first held in New England in over 30 years. It was a very substantial meeting and had features which were the best in the history of SMPTE. The final registration figure exceeded 800, attesting to the quality of the planning, the program and the Equipment Exhibit.

Although important committee meetings and the first session of technical papers already had been held, the conference, as usual, had its "second opening" at the Monday Get-Together Luncheon at Hotel Somerset.

Remarks of President Ray

"One snowy Spring day two men came out of this hotel after having decided that the 94th SMPTE Technical Conference would be held in Boston. That was in 1960, and the two men were (Arrangements Chairman) Charles Wyckoff and I.

"Three years later, as this opening luncheon takes place, we can all see that there was no mistake in having confidence that the Boston SMPTE members would organize a successful conference. The advance registration figure several weeks ago forecast a sizable attendance. And the registration as of noon today proved the attractiveness of Boston. . . .

"Here, loyal, hard-working committees have worked out a magnificent program under the direction of Arrangements Chairman Wyckoff and Program Chairman Morton Read. What we have here is indeed a fine tribute to the work of *every* SMPTE member who has contributed his time and effort.

"This week is a highlight in SMPTE gatherings — to call attention to just one area, the substantial technical sessions on Photography in Medicine are truly something special. And we have the gamut of other subjects: Laboratory Practice; 8mm and Small-Format Film; Sound Recording; Instrumentation and High-Speed Photography; Motion Pictures, Television and Education; TV Engineering Developments, and Space Technology. . . .

"The Society's Officers and Governors salute the Boston SMPTE group for a job well done!

"Now, I would like to leave you with some thoughts about our Society. . . . SMPTE has played a very important role — one that is still relatively little known to the public — in developing standards for the motion-picture and television industries. These engineering standards have made it possible for the art of these visual media to be of the highest quality.

"The hundreds of members serving on the engineering committees of SMPTE have contributed their talents willingly and without personal recognition. It is difficult to find any modern development in production, exhibition or equipment which has not benefited from research or engineering on the part of our Society's members. Without this work, producers, directors, cameramen, and soundmen in film and television could not have developed their art so masterfully.

"There must be no let-down in these activities, no let-down in the present high standards our Society has been responsible in setting. . . .

"Efforts toward the merging of those groups that have common interests in photographic and television science and engineering are continuing in earnest. Progress toward the merger of SMPTE and two other groups — the Society of Photographic Scientists and Engineers and the Society of Photographic Instrumentation Engineers — into a combined Society will, in the opinion of those working toward this accomplishment, strengthen each of these areas of science and engineering. . . .

"One final word: We now must look ahead ten, fifteen, twenty years to those who will follow us. We must look to the youth who will carry forward engineering and scientific development. To keep our Society in its position of world leadership, we must not forget that youth brings with it fresh, and daring, ideas.

"Are we giving the young men — and young women, for that matter — a chance to develop their talents by exposing them to these fields of science, engineering and other creative activities? They should be observing; they should be assuming the roles of trainees, watching the skilled technicians of today. We must plan a program for the many eager students in the fields represented here — a program that will nurture future leaders in research, engineering and production."

Get-Together Luncheon Speaker

Guest speaker at the Get-Together Luncheon was Gen. George W. Goddard, USAF, Ret., a pioneer in the development of aerial photography and now special assistant to the president of Itek Corporation. Gen. Goddard enlisted in the Aviation Section of the U.S. Army Signal Corps in 1917 and retired from the Air Force in 1953. Among the varied assignments in his 36-year career, he assisted Gen. Billy Mitchell as officer in charge of aerial photographic work connected with the famous battleship bombing tests off Cape Hatteras in 1921.

His career with the Air Force strongly influenced the development of aerial reconnaissance, and he is credited with developing many fundamental techniques. Gen. Goddard holds five patents in the field of aerial cameras for night photography. He has been honored with the Distinguished Service Medal, the Croix de Guerre, the Legion of Merit and Oak Leaf Cluster, and the Thurman H. Bane Award. He is a Fellow of the Society of Photographic Scientists and Engineers and has received honorary degrees from Boston University and Keuka College.

Highlights of his informal and entertaining address, "Action in Motion: 1913–1963," follow:

"The year 1913 was a big year for the motion-picture industry. On March 4, Woodrow Wilson was inaugurated, and for the first time at such an event newsreel cameramen recorded every moment. People all over the United States and abroad were

Executive Vice-President Ethan M. Stifle and luncheon speaker, Gen. George W. Goddard (USAF, ret.).

President Ray and Dr. Henry N. Kozanowski, winner of David Sarnoff Gold Medal Award.

able to see history in action — flickering, jittery action to be sure, but it was still a big step toward public participation in the motion of the moment.

"In 1913 Dr. C. Francis Jenkins and a group of fellow motion-picture enthusiasts were actively organizing a professional association that would become, in 1916, the Society of Motion Picture and Television Engineers.

"Coincidentally, that same year, a young man named George Goddard went down to Hammondsport, N.Y., and watched Glenn Curtiss load a bulky Pathe movie camera aboard a biplane. Curtiss took the plane up and made a series of aerial motion pictures. And right then and there, watching that wooden flying contraption make film "takes" back and forth across the flight field, George Goddard got the motion-picture bug. I'm glad to say he never lost it.

"Those were the real Woolly West days of motion pictures. The movie cameraman was a genuine pioneer who often risked his life with the same courage . . . that typified the settlers of the 1800's.

"But one thing was certain that year: motion pictures were here to stay.

"When I entered the First World War, I didn't envision how the motion-picture industry would grow from gun-camera photography at 80 miles an hour to high-speed movies in space at 17,500 miles per hour, around the world in a matter of 80 minutes. Within one's active life span, this is progress that even exceeds the dreams of Jules Verne. I hope to live to see television and motion pictures of some of our planets; at the rate of speed the Air Force and NASA are progressing, this could well be within the next decade . . . .

"So much has happened in five short decades. Somebody has said that the only thing constant about life is change. And change means action, just as action implies motion. Clearly, *moving* pictures — whether on film or on a television signal — will continue to keep pace with our social and technological acceleration in the coming years.

"If you think the last half-century has been exciting — just wait around a while."

Society Awards

Formal presentation of awards and honors took place Tuesday evening, October 15. President Reid H. Ray presided over the session, and Alexis E. Ushakoff, Jr., was responsible for arrangements.

Fellows

Thirteen members were elevated to the grade of Fellow of the Society and were presented certificates by Past President John W. Servies, Chairman of the Fellow Membership Committee. The new Fellows are:

V. D. Armstrong
Walter Bach
Jack Behrend
John W. Ditamore
William E. Evans
F. Alton Everest
Robert C. Lovick
Norman R. Olding
William A. Palmer
William H. Smith
Robert W. Wagner
John M. Waner
William R. Weller

V. D. (Vic) Armstrong is manager of the photographic laboratory at the Radio Corp. of America's Missile Test Project, Patrick Air Force Base, Fla. A member of SMPTE since 1936, Mr. Armstrong has supervised film processing operations for a number of years. He attended the University of Rochester and Rochester Institute of Technology, and is a member of the Society of Photographic Instrumentation Engineers (SPIE) and the Society of Photographic Scientists and Engineers (SPSE), among other organizations.

Walter Bach is president of Bach Auricon, Inc., Hollywood, Calif. Mr. Bach, who joined the Society in 1936, holds many patents in the field of sound motion-picture equipment. One of his technical papers, "Magnetic-Striping 'Azimuth-Plateau' Effect on Frequency Response of 16mm and 8mm Film: An Engineering Survey," won honorable mention in SMPTE's Journal Award judging this year. Among his many organizational affiliations are the Academy of Television Arts and Sciences, SPIE and SPSE.

Jack Behrend is president of Behrend's, Inc., motion-picture and sound equipment supply firm in Chicago. He has served most recently as secretary-treasurer of the Chicago Section. Mr. Behrend holds a bachelor's degree in mechanical engineering from Illinois Institute of Technology.

John W. Ditamore is director of the Edward C. Elliott Hall of Music and the 1,052-seat Loeb Playhouse at Purdue University. He is also a consultant for specifications in the fields of stage design, general physical theater arrangements, projection, public address and intercommunication systems, and stage lighting. Mr. Ditamore was graduated from Purdue's School of Electrical Engineering. He has been a member of SMPTE since 1949.

William E. Evans is manager of the data systems department of Granger Associates, Palo Alto, Calif. He holds bachelor's and master's degrees in electrical engineering from the University of Louisville and Stanford University, respectively. A former officer of SMPTE's San Francisco Section and a senior member of the Institute of Electrical and Electronics Engineers (IEEE), Mr. Evans won a technical "Oscar" of the Academy of the Motion Picture Arts and Sciences in 1960 and, in 1963, received the V. K. Zworykin Television Award of the Institute of Radio Engineers.

F. Alton Everest is director of the Science and Production Department of Moody Institute of Science, Los Angeles. A noted producer of science films, he holds a bachelor's degree from Oregon State University and a degree in electrical engineering from Stanford. Before joining Moody Institute, Mr. Everest was an assistant professor of electrical engineering at Oregon State and a section chief in underwater sound research for the U.S. Navy. A member of SMPTE since 1950, he is also a member of the Acoustical Society of America and is a senior member of IEEE.

Robert C. Lovick is supervisor of sound reproduction development in the Photographic Technology Division of Eastman Kodak Co., Rochester, N.Y. A graduate in electrical engineering from the Uni-