

sibility of N. D. Reiss of Reiss Public Address Systems. Rod Gates of General Motors Photographic was at the hotel to help set up the system and was on duty on Monday until afternoon when Harrison Engle of Wayne University took over on through the evening. He was assisted by Floyd Churchill of Jam Handy Organization Inc., and Marty Shore of Wilding Picture Productions, both members of IATSE Local 199. Others manning the system during the week were John Holowathy of Ford Engineering, Glen Fredericks of Ford Communications, Stan Cain of Wayne University, Chuck Lewis of Ford Communications, and Charles Nairn of Wayne University. Rod Gates on his home ground at General Motors Photographic was responsible again on Friday morning. Special credit is due Projection Chairman

John A. Campbell who was responsible for the well-coordinated and smoothly running program. Many hours of difficult projection requirements were met by Floyd Churchill of the Jam Handy Organization and Marty Shore of Wilding Picture Productions, both from IATSE Local 199. Alan F. Byrnes of Jam Handy also helped, especially in packing up the show.

In addition to his duties as Exhibit Chairman, Ray A. Balousek was in charge of Registration. The task of Auditor was faithfully accomplished by William B. McLaren. The complexities of Hotel Arrangements were resolved by Clifford Hanna. E. S. Purrington was in charge of Transportation. The role of guide, mentor and friend is required of the Hospitality Chairman, which was the responsibility of Sherman Willson. Larry Silverman of

Wayne University was on hand to see that accurate information and friendly greetings were offered members and guests. Jerome Diebold was in charge of Membership. The exacting chore of Publicity was undertaken by Henry Zuidema, and under his guidance publicity activities covered the highlights smoothly and effectively. Luncheon and Awards Arrangements were the responsibility of T. P. Marker whose efforts contributed to the impressiveness of the Awards Ceremony and the enjoyment of the Get-Together Luncheon. Michael Omalev was Banquet Chairman. Also contributing to the success of a memorable Convention were Administrative Assistants Kenneth Mason and W. T. Strother.

The Ladies Program was, perhaps, more heavily weighted on the side of instruction and less on the "just fun" side than usual. The visit to the GM styling studios of General Motors Technical Research Center was an exciting and informative experience, with emphasis on the future. History was illustrated by the Henry Ford collection at Greenfield Village, and contemporary trends in art and architecture could be observed by visitors to the famous Cranbrook School. The luncheon and fashion show, Friday, at Devon Gables, rounded out a most successful program. Mrs. Raymond A. Balousek, Mrs. James W. Bostwick and Mrs. Michael Omalev were in charge.

## Society Awards

Among the Society's most honored traditions is the Awards Session which is a part of each Fall Convention. On Tuesday evening, October 21, the Society honored those of its members who had been selected by the appropriate committees as deserving of recognition for outstanding achievements which have furthered the progress of the industry. Among the highlights of the ceremony was the bestowal of two separate Awards, the Journal Award and the Samuel L. Warner Memorial Award, upon George Lewin, whose contributions to the sound recording field met the exacting standards of each committee.

### Honorary Member

The Award of Honorary Membership was granted Dr. Herbert T. Kalmus. The honor was bestowed in absentia and was accepted for Dr. Kalmus by S. E. Howse. The citation, prepared by the Honorary Membership Committee under the Chairmanship of Deane R. White to accompany the Award, stated:

Dr. Herbert T. Kalmus, more than any other person, has been the dynamic influence which has brought color pictures to the motion-picture theater. As the founder and guiding hand of the Technicolor Corporation, he sought out and developed a commercially practical system of color photography which has supplied the great majority of motion pictures in color over the past thirty years.

It is interesting to note that just twenty years ago, in this same city, the Society awarded Dr. Kalmus its Progress Medal. In the citation for that award, Mr. G. F. Rackett included the following comments: "Dr. Kalmus had an ideal, and, more im-

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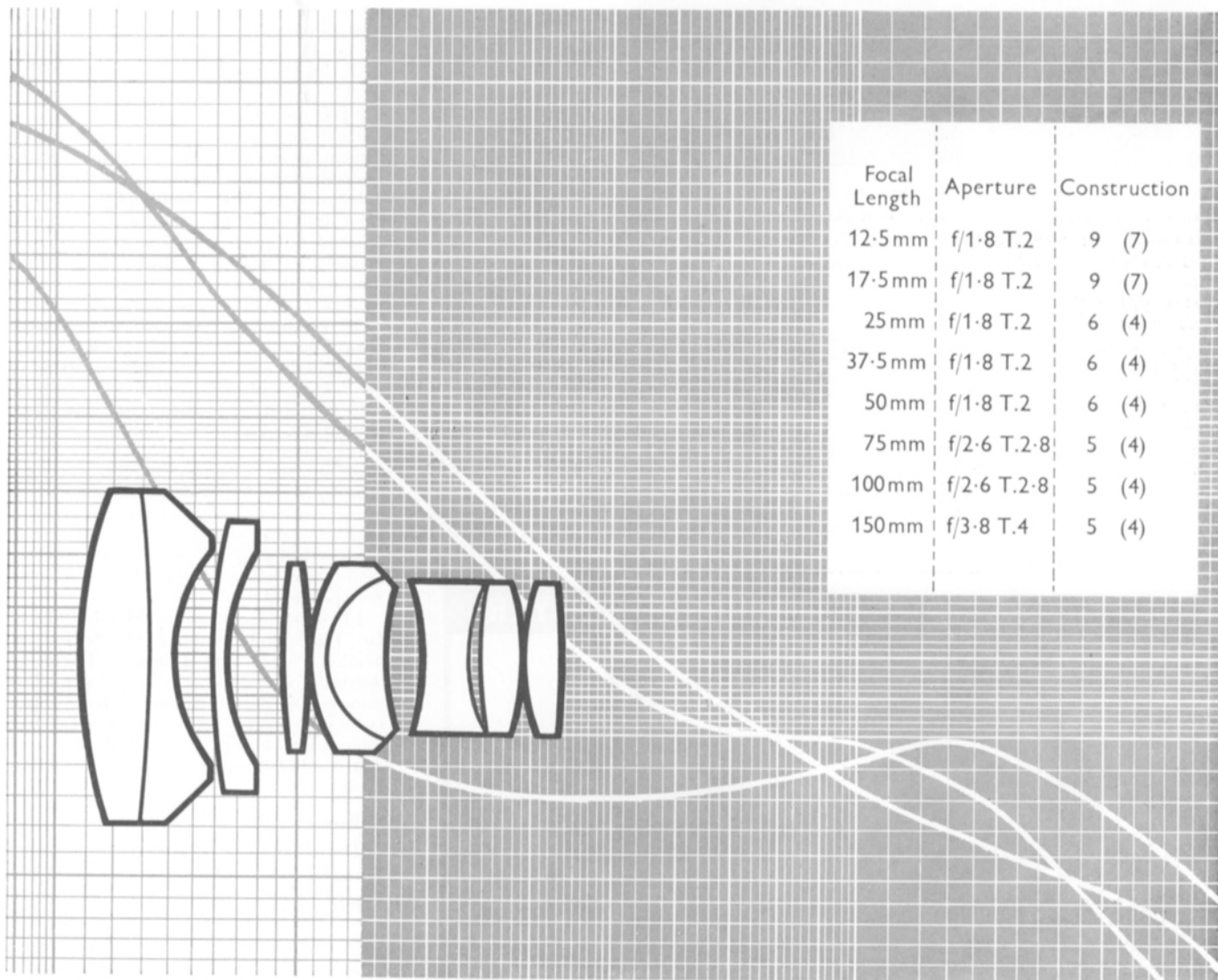
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**Presentation of Herbert T. Kalmus Gold Medal to Merle L. Dundon, at left, by SMPTE President Kreuzer. The Citation was read by Herman H. Duerr (at right), Chairman of the Herbert T. Kalmus Gold Medal Award Committee.**

portantly, the ability to analyze the technical aspects of the problem, to develop and supervise a staff of scientists, experimenters, and engineers exploring and solving these problems in a well conceived and directed plan, traveling always toward the ultimate goal of natural color in a form practical for use in the motion-picture theater. It is seldom in the annals of technical development that the ability to direct the business, economic and technical aspects of a highly specialized enterprise have been successfully

carried out by a scientist whose ability reached equally into the fields of technology, economics and business."

The twenty years since these statements were made have continued to bear witness to Mr. Rackett's statements. Continued improvements in Technicolor's imbibition process of making three-color prints have provided theatergoers with natural color of the highest quality.

The abilities which enabled Dr. Kalmus to foresee the possibilities of a successful

color system and to lead his organization through the early uncertain years to success were due in part to his formal scholastic training and his early experiences in business. Dr. Kalmus was graduated from the Massachusetts Institute of Technology with the degree of Bachelor of Science in 1904. In 1907 he received the degree of Doctor of Philosophy at the University of Zurich. Following several years as research associate at MIT and a short period as professor of physics at Queen's College in Canada, he became a partner in the newly organized firm of consulting engineers of Kalmus, Comstock & Westcott, Inc. It was at this time, in 1916, that he first began active work on color photography, and organized the Technicolor Corporation.

Early Technicolor pictures were made by cementing together two film strips back to back, with dyed gelatin relief images on the outer surfaces. Later, by use of the Technicolor split-beam cameras for making two original negatives, and use of imbibition printing to provide a single image composite print with a silver soundtrack, the two-color imbibition process was developed. This was further developed to the three-color process by addition of a third film as a bipack in the split-beam cameras, and use of three matrix films for imbibition printing, with a light silver picture image and silver soundtrack.

Important as were the technical problems in the progress of Technicolor's growth, it was Dr. Kalmus' understanding of the economic problems and his creative business ability which enabled him to succeed in bringing full color to the theater many years before it otherwise would have been provided.

In conferring Honorary Membership to Dr. Herbert T. Kalmus, the Society of Motion Picture and Television Engineers welcomes a true pioneer whose contributions to the motion-picture industry have been unique and whose continued active interest is an inspiration to all who are associated with current motion-picture development.

#### Fellows

The following members were raised to the rank of Fellow. Certificates were presented by Dr. John G. Frayne, Past-President of the Society:

- |                 |                 |
|-----------------|-----------------|
| W. S. Ball      | C. W. Hauge     |
| P. M. Cowett    | S. E. Howse     |
| R. B. Dull      | K. B. Lewis     |
| L. G. Dunn      | D. L. MacAdam   |
| C. P. Ginsburg  | H. W. Pangborn  |
| T. B. Grenier   | B. F. Perry     |
| Louis Hagemeyer | Douglas Shearer |
|                 | C. S. Stodter   |

#### Journal Award

The Journal Award for 1958 was presented to George Lewin for his two papers on "The Infrared Transparency of Magnetic Tracks." Four other papers were chosen for Honorable Mention. Recipients of Honorable Mention and the papers are:

- Willy Borberg for "Effect of Gate and Shutter Characteristics on Screen Image Quality"  
 Armin J. Hill for "Analysis of Background Process Screens"  
 Donald Kirk, Jr., for "Economic Consider-

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