Biographical Notes

Axel G. Jensen

Born in Copenhagen, Denmark, on February 17, 1896, and a citizen of the United States since 1939, Axel Jensen has had many honors bestowed upon him by both his native and his adopted countries, among them the Order of Dannebrog, Denmark's highest civilian honor, presented to Mr. Jensen in 1958 by King Frederick IX.

Mr. Jensen was graduated from the Royal Technical College of Denmark with the degree of Master of Science in Electrical Engineering and in 1921 he came to the United States for post-graduate work at Columbia University. In 1922 he joined Western Electric Company's Engineering Department (later incorporated as Bell Telephone Laboratories). During his career with Bell Systems he achieved international recognition for his work in the fields of radiotelephone, television and acoustics.

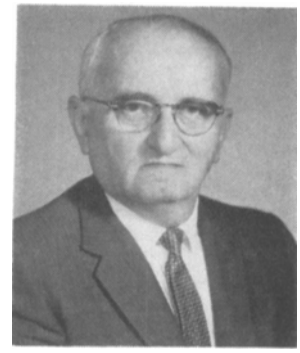
From 1922 to 1926, Mr. Jensen engaged in studies of radio receiving and the design of field strength measuring sets. In 1926 he transferred to London to take charge of the test station operated there during the development of transatlantic short wave radiotelephone service. He returned to the United States in 1931 where he engaged in coaxial cable development projects. In 1938 he was made Television Research Engineer at Bell Telephone Laboratories. In 1952 he was made Director of Television Research and, in 1956, Director of Visual and Acoustics Research. He retired in 1958.

His professional affiliations and activities and the honors accorded him would make too extensive a list to record here in detail.

Now a Life Fellow of the Society, in 1952 he was awarded the David Sarnoff Gold Medal, partly for his work in the "development of a high-quality testing link, which, employing motion-picture film, can be used as a research tool for the evaluation of methods and systems for television transmission, and of the influence of component elements on the transmission quality."

Mr. Jensen holds the rank of Fellow in the Television Society of London and the Institute of Electrical and Electronics Engineers, and also holds a Fellowship in Fernseh-Technischen Gesellschaft e.V., of Darmstadt, Germany. He is also a recipient of the G. A. Hagemann Gold Medal for Industrial Research of the Royal Technical College of Copenhagen.

Following his retirement in 1958, Mr. Jensen joined Matthew Fox as a technical consultant on pay TV. The project was known as Tolvision of America. By 1963, Mr. Fox had enough financial backing to organize the company known as Subscription TV. Unfortunately, Mr. Jensen relates, 1964 was a disastrous year for the new firm. Mr. Fox died in April 1964 of a heart attack, and in November 1964, the project was halted by the California referendum, described by Mr. Jensen as "incredible." Since then, he said he has "done nothing except be lazy and enjoy life."



Otto Wittel

Born in Betzingen, Germany, in 1896, Otto Wittel received a high-school and technical evening school education in Germany while training to be an instrument maker. He arrived in the United States in 1914 where he worked first as an instrument maker on surveying instruments at Keuffel & Esser Co., Hoboken, N.J., then he worked on military instruments at Bausch & Lomb Optical Co., Rochester, N.Y., and then on control instruments for the manufacture of binoculars at the (former) Crown Optical Co. in Rochester, spending about a year with each firm. From 1917 until 1920 he was with General Optical Co., Mt. Vernon, N.Y., as foreman of the firm's experimental shop where he worked on binoculars and on instruments for eye specialists and optometrists. In 1920 he began his career with Eastman Kodak Co. as assistant foreman in the experimental shop where the original Model A 16mm equipment was developed.

In 1923 he was made foreman of a new development department shop where he was responsible for the design of 16mm equipment, such as the Cine Special Camera, 16mm magazine and camera, and the original equipment for the embossed color film, first known as Kodacolor, and also for the construction of the original Recordak model cameras and projectors.

In the 1930s he designed the original 8mm spool cameras and projectors and then the 8mm magazine and camera as well as various accessories. During World War II he worked on stereoscopic rangefinders and he developed a rangefinder training instrument. After the war, while in charge of cine engineering, he was responsible for the design of new equipment, such as the improved Cine Special, the K 100 camera and others.

In 1954, Mr. Wittel was made Superintendent of General Development. During his Kodak service he traveled to Germany

on company business and was able to visit his home there. Since then he has returned to Europe several times. He retired from Kodak in 1956 but was retained as a consultant through 1965.

Since 1926 Mr. Wittel has published more than 140 patents on cameras, projectors and accessories. He is the author of a paper, "A Continuous Projector for Television (Model 300)," in the June 1955 issue of the *Journal* and (with Donald G. Haefele) "Continuous Projector Problems" in the same issue.

He is a Fellow of the Society and is also a member of the Optical Society of America.

news and reports

101st SMPTE Technical Conference Program

K. Blair Benson of CBS, New York, has been appointed Program Chairman for the 101st SMPTE Technical Conference by SMPTE Editorial Vice-President Herbert E. Farmer. The Conference will be held at the New York Hilton Hotel in New York City, April 16–21, 1967.

Benson, who is Director, Audio-Video Engineering at CBS, is now planning the Conference sessions and format and choosing topic chairmen. A list of topic chairmen and the call for papers will appear in the November *Journal*.

The Rochester Chapter of the Society of Photographic Scientists and Engineers (SPSE) has announced that it is again making available to other organizations its Visual Encyclopedia Series. Each unit of the Encyclopedia attempts to define, to explain, and to interpret one basic aspect of the science of photography. Each unit is illustrated with 35mm slides or a 16mm motion picture and requires about 20 minutes for delivery. There is no charge to the user for borrowing units of the Visual Encyclopedia Series. Further information is available from Rochester Institute of Technology Library, 160 Spring St., Rochester, N.Y. 14608.

The Rochester Chapter of SPSE has announced installation of new officers and councilors for the 1966–67 term of office. Chapter President is David A. Engdahl; First Vice-President, David C. Gilkeson; Second Vice-President, John L. Simonds; Recording Secretary, Wilfred J. Moretti; Executive Secretary, Leland M. Porter; Senior Director, John D. Hayes; Director and Past President, John C. Barnes; and Directors James S. Moser and William S. Shoemaker. The chapter also installed eight Councilors.

In a separate announcement the Rochester Chapter revealed that all meetings during the 1966–67 season will be held jointly with the Society's Rochester Section. It was stated in the announcement, issued jointly by SPSE Chapter President David A. Engdahl and SMPTE Section Chairman, Robert C. Lovick, that "the joint program will permit an expansion of the scope of meetings and an increase in the number of meetings. Thus the joint program benefits the members, the local organization, the profession and the industry."

The Commission Internationale de l'-Eclairage (CIE) will hold its quadrennial Session June 19–28, 1967, at the Shoreham Hotel in Washington, D.C. This is the first time since 1928 that a CIE Session has been held in the United States. Some 400 scientists and engineers from 25 countries are expected to attend. About 20 formal papers will be presented, covering lighting developments in many countries. In addition, some 45 CIE international committees will report on developments in many phases of illumination, among them: aviation lighting, photometry, color rendering, visual performance, characteristics of lighting materials, discomfort glare, and stage and studio lighting. Further information is available from L. E. Barbrow, Secretary, U.S.CIE National Committee, C/O National Bureau of Standards, Washington, D.C. 20234.

The German Television Engineering Society (Fernseh-Technische Gesellschaft E.V.) held its 14th Annual Meeting September 19–23 in Heidelberg. Some fifty technical papers were presented in seven sessions, covering broadcast engineering, receivers, cameras, other studio equipment, film recording and special applications. For detailed information, write: Fernseh-Technische Gesellschaft E.V., 61 Darmstadt, Postfach 329, Germany.

The 36th Annual Meeting of the Biological Photographic Association was held August 22–25 in Lexington, Ky. An international event, papers were presented from many countries, including Poland, Australia, New Zealand, India, England and Canada as well as the United States. Among papers of special interest there were: "Professionalism in Medical Motion Pictures" by Lawrence B. Newell; "A Survey of British Biomedical Photographic Installations and Audio-Visual Communication Center" by Paul Marshall Macapia; "Closed-Circuit Television and 8mm Single Concept Films in Continuing Dental Education" by Frank J. Reindl; "A New Approach to Medical Motion Pictures with Ektachrome EF Motion Picture Film" by Will E. Renner; "Split Frame Movies — A Simplified Method of Recording Motor Function of Patients Being Treated in a Double Blind Drug Study" by Nicholas M. Graver; "The Use of Television in Health Science Education" by Michael T. Romano, M.D.; and "Adding Sound to the Surgical Teaching Film—A Simplified Approach" by William R. Fowler.

Prizes were awarded for outstanding examples of photography in various categories. Motion-Picture awards went to: (First) *Reprieve From Lethal Infection* (color and sound, 19 min) entered by W. Keith Lovett of Sturgis-Grant Productions, New York. The sponsor was Beecham Research Laboratories. (Second) *Human and Animal Beginnings*, (color, sound, 13 min) entered by Sy Wexler of Wexler Film Productions, sponsor, E. C. Brown Trust Foundation. (Honorable Mention) *The Ileal Sleeve for the Dilated or Adynamic Ureter* (color, sound, 19 min) entered by Fernando Gonzales, Jackson Memorial Hospital, Miami; and *Immediate Post-Surgical Prostheses* (color, sound, 35 min) entered by Joe E. Mineo of V.A. Hospital, Seattle, Wash. A special award the BPA Medical Education Award went to *Penetrating Keratoplasty* (color, sound, 11 min) produced and narrated by Don Macon and Lewis J. Girard, M.D., and entered by Gene K. Davis, Methodist Hospital, Houston.

The Audio Engineering Society held its Annual Convention October 10–14 in New York. Some 100 technical papers were presented at the 14 sessions held during the 5-day convention. Sessions were held on Microphones and Earphones; Loudspeakers; Audio Amplification; Audio Instrumentation; Automotive Tape Cart-