

determining the analyzer operating conditions that result in optimum dynamic range are presented.

Better Movies in Minutes (Kodak publication AD-4), a 56-page book is available upon request from Eastman Kodak Co., 343 State St., Rochester, NY 14650, or from Kodak dealers. The book is divided into 20 special interest sections that include information on how to: use super-8 and 8mm films and cameras; use special lenses — wide angle, telephoto and zoom; shoot special subjects such as sunsets and extreme close-ups; make indoor movies with movie lights; make existing-light movies without movie lights; shoot sound movies; add titles to movies; and much more.

Causes and Effects of Skew Error in Helical Scan Videotape, a two-page publication describing how commercial and educational users of video can eliminate skew or tension errors, is available upon request from 3M Company's Magnetic Audio/Video Products Division, P.O. Box 33600, St. Paul, MN 55133. Part of the division's *Retentivity* series, this issue defines and illustrates skew errors and points out the desirability of dimensionally-stable tape as a means of preventing such errors.

Cine Rent West, 991 Tennessee St., San Francisco, CA 94107, has announced a new rental catalog listing film and tape production support services including two sound stages, lighting, grip trucks, 16mm and 35mm cameras, and mixing and editing facilities. The catalog gives detailed information on Panavision and Tyler camera systems. It is available from Cine Rent West upon request.

Obituaries



Henry Millward Fisher

Service of 50 years or more has been said to earn a person the honored title of a pioneer in our industry. From the Sunday, 4 October 1903 in Harrogate, Yorkshire, England, where he was born to another Sunday, 20 March 1977 when he died at Suburban Hospital near his home in Chevy Chase, Md., Henry Millward Fisher was a honorable and an honored person.

Henry attended private schools and Clifton College in England. His lifelong love of the seas was the result of his early training as a merchant marine cadet. His travels took him around the world and he adopted the United States of America as his home.

In 1926 he entered the motion-picture business as assistant office manager of Pathex, Inc.,

a subsidiary of Pathé Exchange in New York City. Pathex assembled and distributed a 9½mm camera and projector which was manufactured by Pathé in France. Incidentally, this was sold in Washington by the M. A. Leese Optical Company in their photo store. They were in the same building, 712 Eleventh Street, N.W., Washington, D.C., where C. Francis Jenkins had the first headquarters for the newly organized Society of Motion Picture Engineers. WMAL radio, in the same building, was the Washington source and outlet for the Columbia Broadcasting System formed in 1927.

When Pathex ceased distribution of their products in the United States in November 1928, Henry was employed by the DeVry Corporation as a salesman. He continued with DeVry through the various DeVry Companies until the 16mm portion was bought by Bell & Howell in 1954. Henry continued with the newly formed Paromel Corporation which continued manufacture of the DeVry 35mm Projector and educational systems and operated the DeVry Technical Institute, formerly known as the DeForest Training Institute. Later, after the 35mm projector manufacture was discontinued in 1965, the company was renamed DeVry Industries. Henry Fisher continued as Vice President (Energy Concepts Division) concentrating chiefly on federal sales.

It was in the category of salesman to the federal government that he served his adopted country and our profession so well.

Henry sold DeVry 16mm and 35mm equipment in the metropolitan New York territory in 1929 at the same time Western Electric used the

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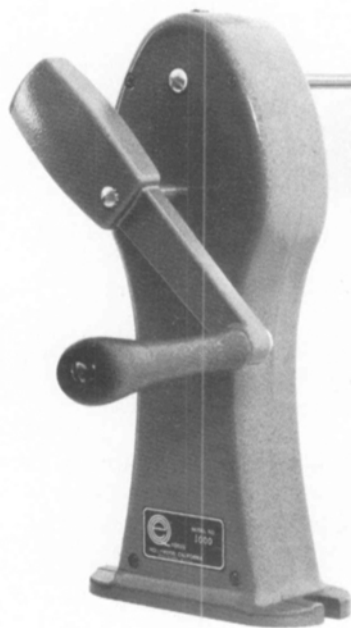
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DeVry projector head in the "portable" 35mm sound-on-film projector system — it was later termed more appropriately "transportable" — designated ERPI 202. It was advertised for classroom use. This was quite appropriate because Herman A. DeVry invented and developed the Theatre In A Suitcase equipment. Henry Fisher was instrumental in placing the first DeVry 35mm projector in the Smithsonian Institution in Washington. He was very proud of this!

In 1940 he began to concentrate his efforts in Washington, D.C., in an endeavor to break into the government business and, in April 1941, he was successful in obtaining the first 35mm portable sound projector order from the United States Navy. This initial order led to many more and before Pearl Harbor Day in December 1941, the DeVry Corporation had almost one million dollars worth of orders on their books for this type of equipment. The armed forces purchased several hundred complete theater equipments from DeVry Corporation.

During World War II he handled all contract negotiations for 35mm sound projectors, as well as gunnery training devices and special sound devices which DeVry manufactured for the United States Armed Forces. He also handled all of the original contract negotiations on the JAN Projector Development Program. The war efforts of DeVry won them the coveted "E" (for excellence) not once but five times! Henry Fisher received a certificate of commendation from the Navy Department for services rendered.

During World War II Henry Fisher was a member of the 35mm Motion Picture Equipment Industry Advisory Committee of the War Production Board and assisted in the writing of WPB limitation orders for the 35mm equipment industry.

In 1950 when the National Production Authority was formed, he became a member of the (35mm) Industry Advisory Committee and also a member of the Photographic Industry Advisory Committee.

From 1941 to 1954 Henry personally negotiated over \$30 million worth of orders from the United States Government for DeVry and over \$15 million was received during the last five years of that period.

He worked very closely with DeVry's Chief Engineer, Ellis W. D'Arcy, in the development of the JAN (Joint Army-Navy) 16mm projector which was described as a "blue sky" project. The JAN specifications were written by an industry-wide task force and represented an ideal objective — the first 16mm projector built to conform to *all* the standards of the American Standards Association. The success of this projector revolutionized the 16mm film industry. It was the first portable professional 16mm projector — the only other 16mm professional was the Eastman Model 25. For the first time the producers and laboratories had a professional projector with which they could judge and show their product with pride.

Henry Fisher was an active member of the Society of Motion Picture and Television Engineers and was elected a Fellow in 1962. He was also a member of the Society of American Military Engineers, the Society of Photographic Engineers (First Vice-President, Washington Chapter), the Navy League of the United States and the Naval Order of the United States.

Henry leaves his wife, Roberta, and their son, Henry M., Jr.

Although I have known Henry since 1948 and have spent many, many hours with him I wanted to share with you some of the things about him I didn't know until recently. He was the most

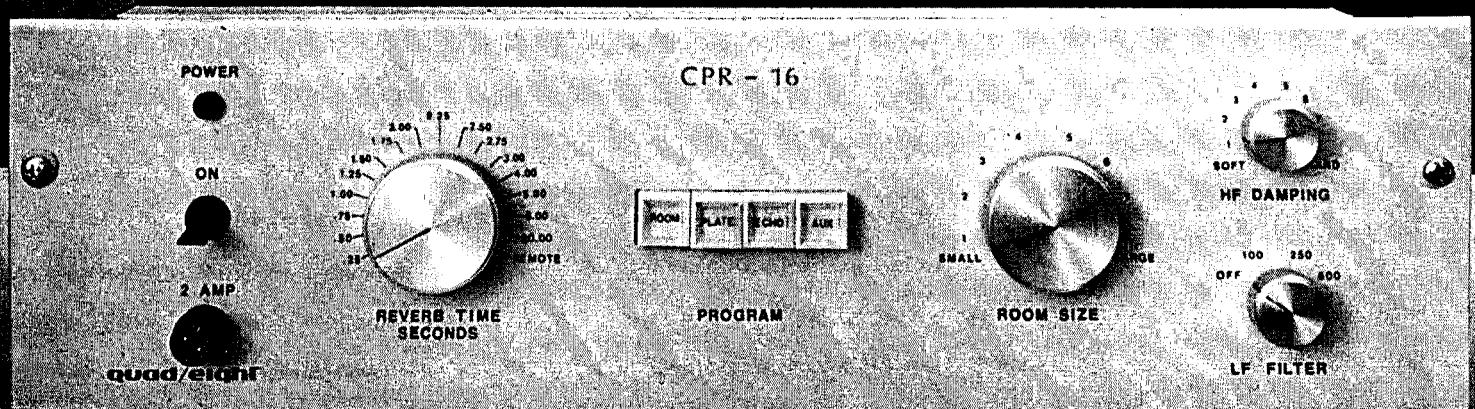
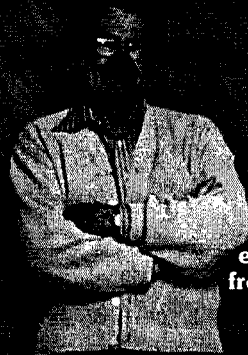
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dependable attendee at all the SMPTE Washington Section functions. All this to say Henry was welcomed wherever he went and will be long remembered. — *William E. Youngs*

Sol Halprin

Sol Halprin, a Fellow of the SMPTE and a noted Academy Award-winning cinematographer, died 4 May 1977 at the age of 75.

Born in 1902 in Paimbrook, N.J., he came with his family to Los Angeles in 1910. His first film work was in 1918 with the Fox Film Corporation laboratory. As an assistant cameraman he worked on scores of western movies and in 1928 he became a director of photography.



During World War II he served with the John Ford film unit in the United States and in India and Ceylon, attaining the rank of Commander.

In 1953 Halprin received an Academy Award as co-inventor of the CinemaScope wide screen film process. In 1970 he retired from 20th Century-Fox as Executive Director of Photography after a career of 52 years with that studio.

He had been a member of the SMPTE since 1950. He was also a member of the American Society of Cinematographers. He had been President of the ASC from 1966 through 1969.



Richard Hyde

Richard Hyde, Chief Engineer of Operations, CBS News, died 19 June 1977 in New Brunswick, N.J., at the age of 57.

Educated at Franklin and Marshall College in Lancaster, Pa., he received the B.S. degree in chemistry in 1942. From May 1942 until May 1943 he worked for General Chemical Defense Corp. and in 1943 he joined E. I. DuPont Photo Products Department, Quality Control and Research Laboratories, where he remained until 1953 when he joined CBS News as Assistant Chief Engineer, becoming Chief Engineer in 1963. His work at CBS News involved the designing and evaluating of new equipment relating to all phases of film production. He also maintained quality control of the end product for the world-wide newsgathering operation.

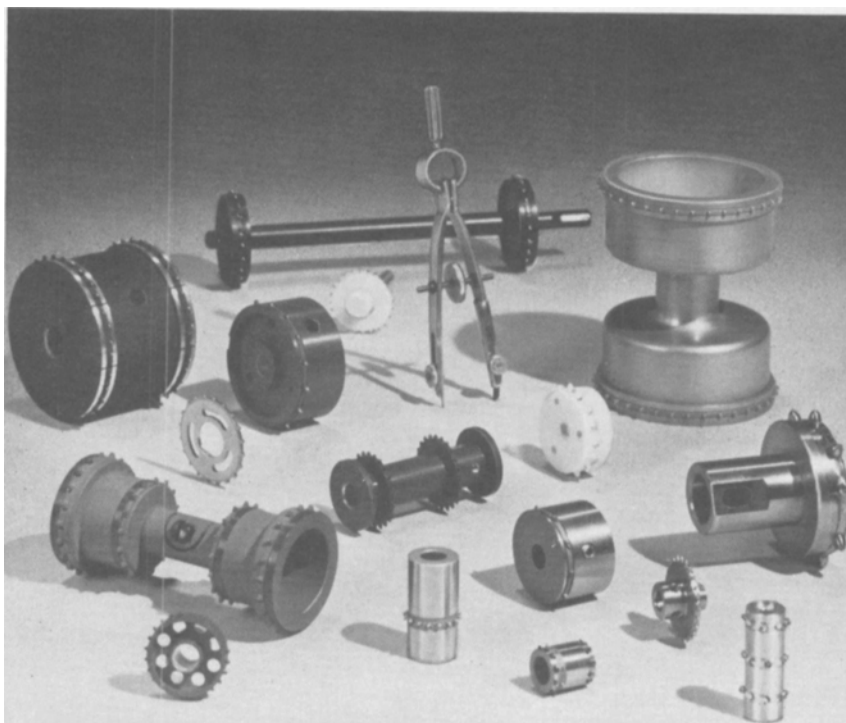
He became a member of the Society in 1945 and was elected a Fellow in 1967.



Robert Pulman

Robert Pulman, A Fellow and Past President of the British Kinematograph Sound and Television Society and a Fellow of the SMPTE, died early in June 1977 at the age of 67.

Born in London, England, in May 1910, he was educated at St. Paul's, London, and Taunton School, Somerset. At the age of 17 he joined Provincial Cinematograph Theatres, Ltd. Later the firm was absorbed by Gaumont-British Picture Corp. and Odeon Theatres Ltd. to form the Rank Theatre Division of the Rank Organ-



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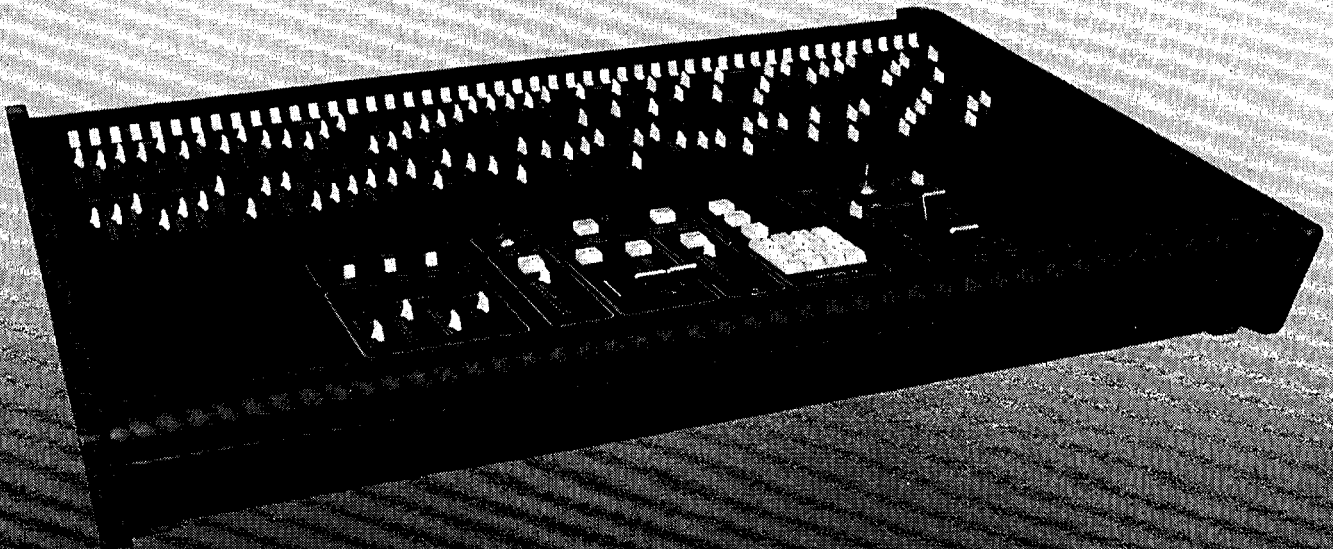
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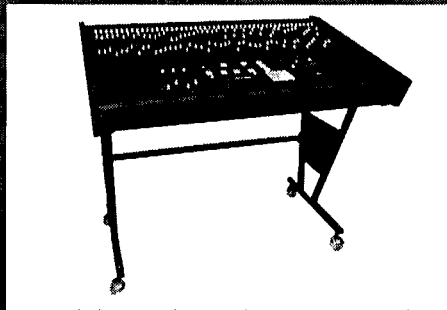
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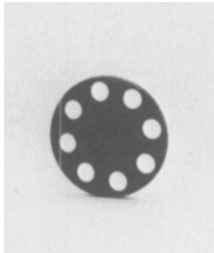
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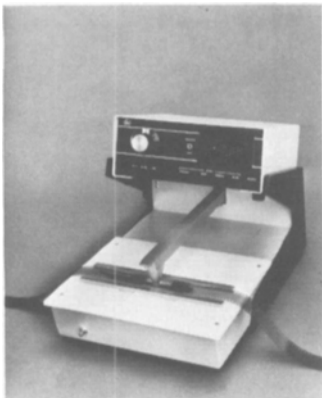
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isation. An expert on film technology and projection engineering, his entire career was spent with the Rank Organisation as an engineering executive. Following retirement he continued to serve the industry as an independent consultant.

Recognized as one of the foremost authorities in the field of cinematography, he travelled throughout the world to study and to assist in the development of cinematographic equipment and techniques. He had been involved in the development of a number of innovations including CinemaScope, Superscope, Technirama, Todd-AO and Cinerama. He had been also involved in the development of new presentation techniques in the motion-picture field and his influence can be seen in the technical design of such notable theaters as the Odeon, Marble Arch and the first fully automated twin cinema, the Odeon at Nottingham.

Pulman's services to the BKSTS included chairmanship of the BKSTS Audio Visual Steering Committee and of various other technical committees. He was instrumental in getting the BKSTS involved in international conferences, and it was he who launched Film 69 which grew to a biennial international event attended by thousands of film practitioners and aficionados.

In 1963 Pulman was awarded the highest honor bestowed by the British Kinematograph Sound and Television Society — the BKSTS Award of Merit. This award had been bestowed only once before in that society's history.

Pulman became a member of the SMPTE in 1942. He was made a Fellow in 1966.

He was a member of a number of other distinguished organizations other than the SMPTE and the BKSTS including the Illuminating Engineering Society of England and the Deutsche Kinotechnische Gesellschaft of Germany.

Sydney A. Weinberg

Sydney A. Weinberg, retired associate in radiology at the University of Rochester Medical Center, a pioneer in x-ray photography, died 29 March at the age of 67.

Weinberg worked with several other University of Rochester scientists in the later 1940s and early 1950s in developing processes for motion and still x-ray pictures. His work in the development of a motion-picture process greatly aided doctors who previously could study a patient's internal movements only while the patient was being x-rayed. Videotape cameras are now used to record x-rays; however motion pictures continue to be used to record x-ray pictures when heart and other delicate surgery is required.

Weinberg, along with such scientists as Dr. James Sibley Watson, Research Professor of Radiology; Dr. Harry Segal, Professor Emeritus of Medicine; and Dr. George Ramsey, late Chairman Emeritus of Radiology, developed other advances in x-ray technology at the university. Author of several *Journal* papers, together with co-authors Watson and Ramsey, Weinberg, for many years a member of SMPTE, reported on advances in x-ray technology. Titles of the papers include: "A 16mm Projector for Research Films" (November 1954); "X-Ray Motion Picture Techniques Employed in Medical Diagnosis and Research" (October 1952); "X-Ray Camera and Printer for 70mm Film" (January 1953); and (with R. Gramiak) "Stereo X-Ray Motion Pictures."

Weinberg also helped develop the first gastroscopic camera for taking color still pictures of the inside of the stomach, as well as x-ray motion picture refinements and apparatus that reduced x-ray dangers to patients.



Section Meetings

Erratum: *Journal*, p. 451, June 1977 — in the report on the meeting of the Pacific Northwest Section, 11 March, the speaker was incorrectly identified as Frank Flemming of National Broadcasting Company, New York. The speaker was Frank E. Fleming, 2075 Cumbria Drive, White Rock, B.C., Canada V4A 5K2.

Dallas/Fort Worth, 4 May — The meeting was held at the KERA-TV Channel 13 studios with an attendance of 33 members and guests. The program was devoted to satellites and their uses in broadcasting. KERA-TV, the local public broadcasting station, is the first station in the network to be equipped with a direct satellite reception station in a planned PBS nationwide interconnected system. The system, planned initially for six stations, will have a total of 165 interconnected stations when completed. The design calls for four national circuits and five regional sub-circuits. The system is currently

using Western Union's Westar I and II common carrier communication satellites.

Charles M. Willingham, systems design engineer for Collins Radio Co., the general contractor for the satellite for PBS, presented a technical discussion on the design and construction of the system. Willingham went into the functional aspects of the current system as installed, its design criteria and the future applications and enlargement of the system. He provided some technical information on how the satellite link-up is accomplished in the current phase and how it will be accomplished in the future.

Clyde Miller, Chief of Technical Operations at KERA-TV, gave a slide presentation showing the construction of the 10-m earth station dish located at their plant in downtown Dallas. He described the applications of satellite broadcasting and their use by public broadcast system stations.