ber band" era to its present state of sophistication. The winner of both Oscars and Emmys for his work on well-known feature films, he provides authoritative information on the history and development of "cinematic magic." The book (241 pages, illustrated) is available from the American Society of Cinematographers, P.O. Box 2230, Hollywood, CA 90078, at a price of $29.95.

The BBC 1985 Report and Handbook, replete with photographs, provides information on every aspect of the BBC. The first section deals with programs, broadcasting, engineering, and personnel, and presents the annual reports of the National Broadcasting Council for Scotland, Wales, and Northern Ireland, including a detailed financial report. The second part of the book presents the BBC constitution and lists dates of significance, beginning with its founding on October 18, 1922, through January 16, 1984, when the BBC Elstree Center opened. The report contains 271 pages and is illustrated. It is available from British Broadcasting Corp., 35 Marylebone High St., London W1M 4AA, England, at a price of £6.50.

The 1985 edition of the Graphics Standards Handbook is available from CC Exchange, P.O. Box 125, Laguna Beach, CA 92652, at a price of $170. The book describes a proposed three-dimensional extension to the GKS (graphics kernal system). Noted is the relationship between GKS-3D and PHIGS (programmer's hierarchical interactive graphics standard). GKS-3D retains the simplicity and primitive/segment organization of the basic GKS specification, while PHIGS creates a complex, multi-level hierarchy of graphic images that can easily be manipulated and changed each time the picture is recorded or displayed.

Low, medium, and high-frequency oscilloscopes are described and illustrated in color in a 4-page brochure available from Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. Included are detailed descriptions of three new oscilloscopes, the 525L 50-MHz 2-channel dual-time-base oscilloscope, the LBO-516 100-MHz 3-channel dual-time-base oscilloscope, and the LBO-518 100-MHz oscilloscope with 4-channel capability.

The Motion Picture Equipment Master Sales Catalog, No. 20, is available from Alan Gordon Enterprises Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078. The catalog contains listings and illustrations of motion-picture and video support equipment. Listings include 35 and 16mm cameras, lenses, filters, batteries, tripods, dollies, animation equipment, underwater cameras and housings, and more.

OBITUARIES

Hans Schmid

Hans Schmid, manager of ABC's Broadcast Operations and Engineering Technical Quality Control Dept., died January 21, 1985, at the age of 57.

Born in Frankfurt, Germany, he was graduated from the Polytechnikum Friedberg in 1949 with an Ingenieur Fuer Elektrotecknik (the equivalent of the BSEE degree). He began his career as a maintenance engineer in the Frankfurt studios of the Armed Forces Network, moving to radio station CKEY in Toronto as a maintenance engineer in 1952. Later that year, he joined the Canadian Radio Manufacturing Corp. (Philips) as an electronic engineer, where he designed specialized test equipment used in the production of quartz crystals.

In 1953, Schmid joined McCurdy Radio Industries in Toronto as a development engineer, and somewhat later was appointed chief engineer. While with McCurdy, he designed broadcast audio and video equipment, including the McCurdy AU-300 audio amplifier, which is still being used in the industry.

Schmid left McCurdy Radio in 1957 to join the Canadian Broadcasting Corp. as an engineering assistant in the Network Operations Dept. In 1958, he joined Telechrome Manufacturing Co. in Amityville, N.Y., as a project engineer, and a year later was named engineering manager of the Electronics Div., where he established design standards and expanded Telechrome's line of commercial television equipment and military electronics.

Schmid joined the American Broadcasting Co. in 1961, then left to spend a year with Telemet (formerly Telechrome), rejoining ABC in 1962. His career at ABC spanned 23 years. He was first a video system engineer, then a senior equipment engineer (1968). In 1979, he was appointed to the post he held at the time of his death. During the time he was with ABC, he authored more than 20 technical papers on television signal measurement and control.

Schmid's work on synchronization of remote program sources for color TV broadcasting was first used in 1968 during ABC's televised coverage of the Olympic Games from Mexico. Further work on this automatic color locking system earned him and ABC an Emmy Award in 1971 for outstanding achievement in engineering development.

Schmid joined the SMPTE in 1968 and was made a Fellow in 1972. He is survived by his wife, Maria.

Hans Schmid was presented with an Emmy in 1971 for his work on the automatic color locking system.

Harley Iams

Harley Iams, an early associate of Vladimir Zworykin, died December 3, 1984, at the age of 79.

Iams began his career at Westinghouse Electric in 1927, where he worked with Zworykin on the development of facsimile and sound recording. In 1928, he was assigned to work on the deflection circuits of the newly developed Zworykin kinescope, the first practical picture tube. In 1929, he was a member of the team that designed and built the first all-electronic television receivers. Iams joined Zworykin and his television research group at the RCA Victor plant in Camden, N.J., in 1931. This group was responsible for the development of the iconoscope high-velocity tube, the invention of which earned for Zworykin the designation of "father of television."

In 1933, Iams was made manager of the RCA Tube Works at Harrison, N.J., where iconoscopes were being built for experimental purposes. Joined by Albert Rose in 1937, he started work on the first low-velocity scanning tubes involving research on photo-conductive as well as photo-emissive and photo-voltaic surfaces. His work with Dr. Rose culminated with the introduction of the orthicon, the predecessor of the image orthicon which was later developed by RCA.

After leaving RCA, Iams joined North American Aviation, and later Hughes Aircraft Research Labs, where he participated in various guided missile projects. He retired in 1970.

George Lisle Beers

George Lisle Beers, a Life Fellow of the SMPTE, died January 30, 1985, at the age of 84. He had joined the Society in 1949 and was made a Fellow in 1950.

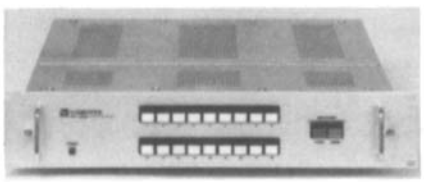
Beers was graduated from Gettysburg College in Gettysburg, Pa., in 1921 with the B.S. degree in electrical engineering. Following graduation, he joined Westinghouse Electric & Manufacturing Co. in Pittsburgh, and he joined RCA's Research Dept. in Camden, N.J., in 1930. In 1935, he was placed in charge of television studio equipment design and development. This activity covered the design and manufacture of the original television studio and terminal equipment for the NBC television station WNBT and several other stations.

During his years with RCA, Beers received more than 60 U.S. patents for his inventions, and numerous foreign patents. He authored a number of technical articles, among them, "Some Television Problems from the Motion-Picture Standpoint," published in the February 1939 issue of the *Journal SMPE;* "Application of Motion-Picture Film to Television," *Journal SMPE*, April 1939; and "Portable Television Pickup Equipment," *Journal SMPE*, October 1940.

Beers retired in 1964. He became an SMPTE Life Fellow in 1970 at the age of 69.

NEW PRODUCTS

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



Videotek RS-183A routing switcher

The RS-183A routing switcher has been announced by Videotek Inc., 125 N. York St., Pottstown, PA 19464. It is designed for broadcast and production applications that require the switching of video signals with stereo audio plus time code. Features include 18 video inputs with bridging, two video outputs, three audio inputs for each video channel, video/audio latching breakaway control, and edit input.

Videotek also announced System 8, a picture and signal monitoring system designed for monitoring up to six sources in ENG trucks, at camera control locations, or in engineering bays. It requires only 8¾ in. of vertical rack space. System 8 has three components: a color monitor, a waveform monitor, and a passive video switcher which permits the operator to select up to six video sources. By looping the output from the switcher through the waveform monitor to the color monitor, both displays will switch simultaneously.

Hitachi Digital VTR

A high-definition TV system has been announced by Hitachi Denshi America Ltd., 175 Crossways Park W., Woodbury, NY 11797. The system includes an HDTV camera, a large-screen projection system, and a 1-in. digital VTR. The camera employs a diode gun Saticon, providing resolution of 1200 lines horizontal and 800 lines vertical. The 54-in. projector employs a magnetic focusing type, high-resolution projection tube, fine-pitch rear screen, and wide-band, high-voltage-output video amplifier. The 1-in. digital VTR has five magnetic heads and SNR of 56 dB.

Panasonic S-1 video camera

The S-1 single-tube color video camera has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. The camera incorporates a newly developed ⅔-in. high-band Saticon for 420 lines of horizontal resolution. A standard feedback beam-control circuit reduces blur and comet tailing caused by bright lights and reflections. The S-1 has an SNR of 50 dB. It can be used in low light conditions, requiring only 20 lux of illumination.