

# Industry News & Educational Activities

**Digital Television**, a new and timely collection of important papers, has been published by the Society. The 122-page book contains 19 papers, a digital video bibliography and a glossary of digital video terms. The book was edited by Frank Davidoff, CBS Television Network; John Rossi, CBS Technology Center; and Charles Rubenstein, Bell Telephone Laboratories. Most of the papers were first published in the *SMPTE Journal* but some of the papers have not been previously published and others had been published in other journals. The emphasis in the book is on PCM-encoded NTSC color television and its purpose is largely tutorial although several papers on applications and equipment have been included. The book is priced at \$15. Further information on *Digital Television* is available from SMPTE Headquarters.

**The 1977 Test Materials Catalog for Television and Motion Pictures** is available without charge from the Society of Motion Picture and Television Engineers, 862 Scarsdale Ave., Scarsdale, NY 10583. The new catalog features a full line of test materials for motion pictures and television. Items listed include a large group of monochrome television test patterns for setting up and checking television cameras and telecine systems. Also listed are super-8 sound test films in both 18 frames/s and 24 frames/s; films and slides to test film projector performance; and films for checking motion-picture sound reproducing equipment.

**Problems relating to the 1-in tape format** are under consideration by the SMPTE Committee on Video Recording and Reproduction Technology. Two working groups were formed at the SMPTE Winter Conference in San Francisco to concentrate separately on segmented and non-segmented machine designs. The groups are composed of representatives of VTR and tape manufacturers and major industry users. The segmented-helical working group held its second meeting in Washington, D.C. under the chairmanship of L. Merle Thomas, PBS Associate Director of Technical Operations. Bosch-Fernseh representative Rolf Crummenauer presented and described the electrical and mechanical specifications of the BCN 1-in helical format proposed to the group for standardization. The format is being considered commercially by several manufacturers including IVC, Philips and RCA.

**A new Fellowship** has been established at Leeds Polytechnic by Trident Television Ltd. Dennis Packham, Technical Director of Tyne Tees, has become the first Senior Fellow in Television and Communication Engineering. The Fellowship was established by Trident as a contribution to training and research on the technical side of broadcasting. Trident, with headquarters at Brooks Mews, London W1Y 1LF, is the parent company of Yorkshire Television and Tyne Tees Television.

As the new Senior Fellow at Leeds, Packham will be involved in research and development

studies in the field of television and communication engineering and he will assist in the development of a program of short courses for practising engineers. As part of his function he will be aiming at consolidating and expanding liaison between Leeds Polytechnic and the television industry.

**Optics Letters** is a new journal published by the Optical Society of America, 2000 L St. N.W., Washington, DC 20036. The first issue will appear 1 July 1977. The new publication will provide a wide-circulation journal for rapid publication of new, important results in all branches of optics. *Optics Letters* will be a companion journal both to *Applied Optics* and the *Journal of the Optical Society of America*. It will be sent free to all members of the Optical Society of America and for the first six months it will be distributed free to all non-member subscribers to the *Journal of the Optical Society of America* and *Applied Optics*.

**Wide Angle**, a new journal published in Athens, Ohio (P.O. Box 388, Athens, OH 45701), is a film quarterly of theory, criticism and practice published in cooperation with Ohio University in Athens. International in scope, the quarterly provides a variety of formal and structural, political and historical analyses with each issue devoted to a single topic. In addition *Wide Angle* publishes regular features on animation and filmmaking. The subscription rate is \$6.50 a year in the United States and Canada and \$8.00 for overseas and foreign.

**The advantages of photosensitive devices** based on III-V compound semiconductors and development of a process of fabricating color filter arrays directly on integrated photosensor arrays have been reported by two Eastman Kodak research groups.

Photosensor characteristics of gallium arsenide phosphide in either a metal-oxide-semiconductor structure (MOS) or in a photodiode structure include low dark current, long storage times, wide dynamic range and favorable SNR values at very low light levels, one group reported.

The second group reported on the fabrication and performance of a charge coupled device (CCD) imager, which, for the first time, the group reported, provides full color capability in a single CCD device. The color imager consists of a color filter array in registration with a CCD area array. The report emphasized the MOS device fabrication compatibility of the filter fabrication process and the potential for obtaining high-resolution filter patches with a broad range of spectral characteristics.

**Rank Film Laboratories Ltd.**, Denham, Uxbridge, Middlesex UB9 5HQ, England, is building a new plant described as "Europe's first custom made high-speed processing plant specifically designed to handle the new generation of motion-picture print stocks." The new plant is expected to increase the laboratory's capacity

to develop color positive film (35mm, 16mm and 8mm) by at least 50 per cent. All bulk print production will be centralized in the new block following its completion. The 836 m<sup>2</sup> print production department, which will be autonomous, is designed to employ flow-through production line techniques for handling the ECP-2 high-temperature process.

**RCA Corp.** will distribute Saticon selenium arsenic tellurium broadcast television camera tubes according to terms of an agreement with Hitachi Ltd. of Tokyo, it was announced by Ralph Simon, RCA's Vice-President, Electrooptics and Devices. Dr. Simon said that Hitachi will manufacture the Saticons to RCA specifications and will provide technical assistance for the manufacture of the tubes by RCA. The Saticons will supplement RCA's existing line of sulfide camera tubes for commercial broadcast use.

**Bell & Howell/Mamiya Company (BHMC)**, 7100 McCormick Rd., Chicago, IL 60645, will assume United States distribution of all Beaulieu cinematographic products, it was recently announced. Included in the distributorship is the complete line of Beaulieu professional 16mm and super-8 cameras currently distributed by Hervic Corp. Products included in the Beaulieu line are the R 16 automatic 16mm camera, the 5008 S and the 3008 S multispeed sound super-8 cameras, the 4008 ZM4 super-8 camera and accessories for all the cameras.

**Motion Picture Laboratories, Inc.**, 781 South Main St., Memphis, TN 38101, has opened a new office in Orlando, Fla. The new office, headed by Frank Hanisko, will offer creative editing, conforming and sound transfers plus shipping services directly to MPL Memphis.

**JVC industries, Inc.**, 58-75 Queens Midtown Expwy., Maspeth NY 11378, has joined the International Industrial Television Association (ITVA) according to a recent announcement. ITVA, with headquarters in Summit, N.J., is an organization of professional videotape users and suppliers in business/industrial areas formed in 1973 through the merger of the Industrial Television Society and the National Industrial Television Association. The 1000 or so members comprise a wide cross-section of users and suppliers of television equipment. The membership represents corporations, nonprofit groups, medical and educational institutions and military and government bodies.

**Eprad Inc.**, 123 West Woodruff, Toledo, OH 43620 has acquired Applications Group, Inc. specializing in the development and manufacture of plasma data and graphics display terminals, it was announced by Al Boudouris, Eprad President. Eprad specializes in the manufacture of motion-picture theater equipment.

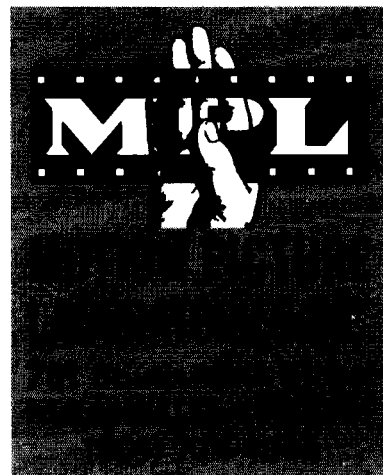
**Completion of Tulsa Studios**, a division of Tyler-Dawson Company, located at 6314 East 13 St., Tulsa, OK 74112, has been announced by President William N. Dawson. Described in the announcement as "the largest sound stage in the Southwest" the building covers more than 12,000 ft<sup>2</sup> and in addition to the huge sound stage, it contains a 30-seat theater, editing, conforming and projection rooms, and a computerized 16-track mixing and control room. A fully equipped Cinemobile is available for location work.

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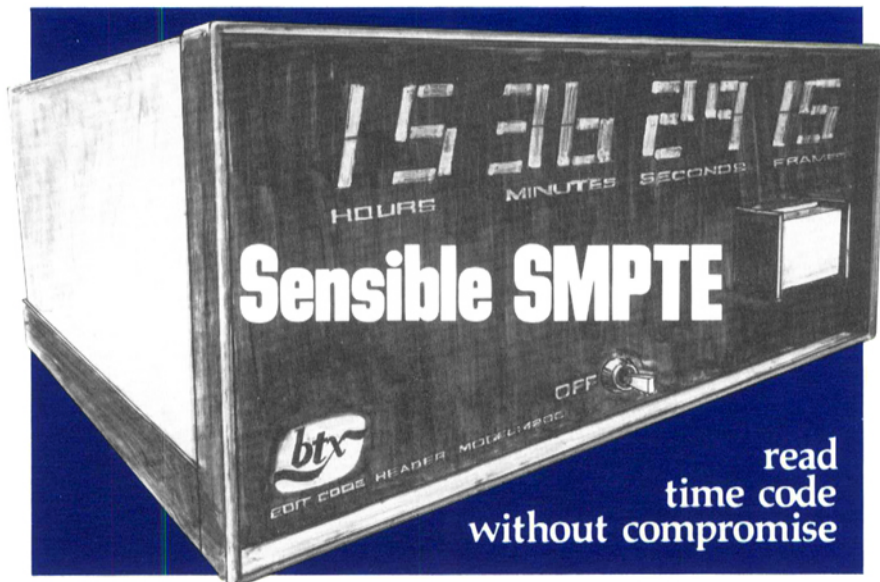
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For complete information, circle reader service number or contact: The BTX Corporation, 438 Boston Post Road, Weston, Massachusetts 02193 (617) 891-1239.



**Roger J. Lundy** has joined Turk Films, 15 West Delaware Pl., Chicago, IL 60610. A young filmmaker, he attended the American Film Institute where he was involved in feature film work as well as a documentary for the Corporation for Public Broadcasting.

**William B. Martin** has been appointed Sales Representative for RCA Broadcast Systems. He joined RCA in 1961. He became Vice-President and General Manager of WINL-AM-FM-TV in 1972 and later became associated with International Video Corp. He rejoined RCA early in 1977. In his new post with headquarters in St. Louis he will be responsible for the sale of RCA's complete line of radio and television studio and transmitting systems in Missouri, Iowa and Southern Illinois.

**Philip N. James** has been appointed to the new position of Director of Administration and Planning for DeLuxe General, Inc., according to an announcement from Robert T. Kreiman, President. James was formerly with Technicolor and the American Cyanamid Company as a research scientist. Most recently he held the post of Director of the Idyllwild Campus of the University of Southern California and was also a consultant to WESRAC, a NASA technology transfer center. In his new post his responsibilities will include general administration and developing plans and procedures. He will also serve as technical and administrative liaison with DeLuxe's foreign affiliates.

**D. Gerald Smith** has been appointed RCA Broadcast Systems sales representative for Nevada, Utah, southern Idaho, Oregon and northern California, according to an announcement from J. E. Hill, Division Vice-President and General Manager. Smith's offices are in San Francisco. Before joining RCA he was with the Rocky Mountain Corp. for Public Broadcasting and with the Federation of Rocky Mountain States educational program satellite broadcast project.

#### Books, Booklets, Brochures

**Low-light, high-sensitivity television systems** are described and illustrated in a booklet entitled *Cohu Reference Data — High Sensitivity Television Cameras in Low-Light Applications* published by Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. The booklet defines the parameters of high-sensitivity closed-circuit TV surveillance systems and provides specific data to assist users in selecting a system to meet their needs. The booklet is intended to serve as a low-light television reference for both technical and nontechnical persons. The full low-light spectrum is covered, including an introduction to TV surveillance, illumination sources, scenes to be televised and television systems.

**The Royal Netherlands Embassy** has made available a catalog of free loan 16mm films. The catalog, listing films depicting life in the Netherlands, is available upon request from Association Films, Inc., 866 Third Ave., New York, NY 10022. Thirty-eight films covering a wide range of topics are listed in the catalog. Representative of the collection are such films as *Vincent Van Gogh; Rembrandt, Painter of Man;* and *The Voice of the Water* showing the people's relationship to the sea.

**The Winter 1977 issue of Beseler Limelight** is available upon request from Charles Beseler

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