

storing every existing foot of MGM print material including 2000 feature films, domestic and foreign versions, television adaptations, trailers, filmclips, featurettes, 16mm copies, title overlay versions, multilingual soundtracks, short subjects, films edited for airlines and MGM's extensive library of television productions.

At the present time MGM uses more than one million feet of raw stock daily servicing its own as well as other Hollywood studios. In 1977 MGM processed some 300 million feet of film.

All of the latest methods of temperature and humidity controls as well as fire prevention systems will be built into the new structure. In addition, all film stored there has been duplicated and stored elsewhere, thereby insuring the availability of MGM's huge film library in spite of fire or disaster that might strike the Culver City studio.

Sony Broadcast B.V. is a new Sony of Tokyo subsidiary established in the Netherlands for sales development of broadcast video equipment. The announcement was made by Sony Corp. of America, 9 W. 57 St., New York, NY 10019. The new subsidiary, with an authorized capital of 12 million Dutch guilders, will be located near Amsterdam and will operate in Europe. It will be headed by Howard Steele, a former director of the British Independent Broadcasting Authority. Sony Broadcast B.V. will conduct marketing, development and servicing of various broadcasting video products developed by Sony. Its main products will be the Omega Machine 1-in 1.5-head, helical scan video recorders and the U-Matic 3/4-in videocassette recorders for broadcast use.

Wilhelm Roth, Editor-in-Chief of *Fernseh-und Kino Technik*, has been made an Honorary Member of the Fernseh-und Kinotechnische Gesellschaft (FKTG) in recognition of his important contributions to the technology of motion pictures and television. The citation noted his wide-ranging knowledge covering the field of modern electronics including motion-picture and television technology and his contributions toward the development of modern techniques. The citation also noted his "thoroughness and perseverance."

He was the moving force in bringing about — in the 1960s — a merger of separate journals on motion pictures and television to create the present *Fernseh-und Kino Technik*. His interest in motion-picture technology began early. In the 1930s as a student he took part in the development of equipment for motion-picture x-ray sound movies. One of his earliest interests was in amateur radio. By 1928 he had built his own transmitter and in recognition of his inventiveness the American Amateur Radio Association gave him a certificate. Somewhat later he became professionally involved with navigation and radar equipment for aircraft before pursuing a career as a motion-picture engineer and, later, as an editor.

Roth has been a member of the SMPTE since 1954.

Wayne Caluger has been appointed Chief Engineer for the Opryland Entertainment Complex, P.O. Box 2138 Nashville, TN 37214. He was formerly with WSM-TV.

Carl L. Holder has joined Wabash Tape Corp. as Vice President, Product Management. He was formerly Director of Product Management and Communications for Information Terminals

Corp., Sunnyvale, Calif. As a member of various American National Standards Institute working committees, Holder helped to develop standards for 1/2-in magnetic tape, disk packs, data cassettes and diskettes.

Walter C. Jamison has been appointed Assistant Chief Engineer for Transmitters for KOMO Radio/TV, 100 Fourth Ave. North, Seattle, WA 98109. He joined the KOMO-TV engineering staff in 1969 and was named Transmitter Supervisor for KOMO Radio/TV in 1974. Before joining the KOMO-TV staff he was Chief Engineer for KGDN/KBIQ in Seattle.

Francis W. Miller retired from the post of Assistant Director of Engineering for Fishers Blend Station, Inc., on 31 December 1977 after more than 31 years with the corporation. Fisher's Blend Station owns and operates KOMO-TV, 100 Fourth Ave. North, Seattle, WA 98109 and KATU-TV in Portland, Ore. Miller joined the KOMO Radio/TV engineering staff in 1946 as a draftsman and studio engineer. In 1951 he was named Maintenance Supervisor and in 1956 he was made Assistant Chief Engineer. He was promoted to the corporate post from which he retired in 1970.

Robert H. Plummer has been appointed to the newly created position of Chief Engineer for KOMO Radio/TV, 100 Fourth Ave. North, Seattle, WA 98109. He was formerly Electronic Maintenance Engineer. Prior to joining KOMO-TV in 1962, Plummer had been with KTNT-TV in Tacoma.

Books, Booklets, Brochures

Compositor I Font Selector, a booklet containing unretouched monitor photographs of font styles currently available for the Compositor ITM graphics system, is available upon request from TeleMation, Inc., P.O. Box 15068, Salt Lake City, UT 84115. All alphabetic, numeric, and symbolic characters are included for each font style. The booklet is intended mainly for station managers; production managers; teleproduction managers; and video engineers.

Visual Communications Programs From Kodak (V7-93) is a 16-page (8 1/2 × 11 in) illustrated booklet describing some 40 audiovisual programs available from Eastman Kodak's Motion Picture and Audiovisual Markets Division, Rochester, NY 14650. The booklet is available upon request. The audiovisual programs include the basics of motion-picture production; production of artwork for slides and movies; basic copying techniques; planning and producing an audiovisual program; elements of effective visual projection; use of audiovisual programs for training, informing and selling; demonstration and maintenance of several current Kodak audiovisual products; and safety. Most of the programs may be previewed before purchase.

Publication of Systems Engineering: Methodology and Applications has been announced by the Institute of Electrical and Electronics Engineers, Inc., 345 E. 47 St., New York, NY. The 408-page volume contains 38 reprinted papers, following an introductory paper by the editor, Andrew P. Sage. The book provides an overview of systems engineering. Subjects covered include Structural Models; Simulation and Modeling; Decision Making; Applications to Energy; Ap-

plications to Resource and Land Use; Applications to Medicine and Health; and Applications to Technology Forecasting and Assessment. The book is priced at \$29.95 with discounts for IEEE members.

The Cue/See Super-8 Sound Motion/Slide Projection System is described in a six-page color brochure available upon request from Charles Beseler Co., 8 Fernwood Rd., Florham Park, NJ 07932. The brochure describes particularly Cue/See's pause control capability which reduces program production and duplication costs by using motion only when motion is required.

Metrication for the Manager, a 48-page manual for managers facing the changeover from metric is available from the American National Metric Council, 1625 Massachusetts Ave., N.W., Washington, DC 20036, at a price of \$4.50. The manual outlines the entire metrication process step-by-step from investigation and planning through marketing and servicing a metric product. The impact of conversion on each function is examined in detail — engineering, manufacturing, purchasing, data processing and cost management.

Acrylic and polystyrene optics are described in an illustrated brochure available upon request from Applied Products Corp., Horsham Valley Industrial Center, Horsham, PA 19044. It is noted in the brochure that "plastics will never wholly replace glass . . . but there is an extensive 'gray area' where acrylics can and do compete with glass very successfully." According to the brochure light transmittance of optical grade acrylic and polystyrene is excellent. Typically a 4-in thick acrylic lens transmits no less than 87% radiation in all wavelengths from 400 to 800 nm.

Motion Pictures, Television and Radio: A Union Catalog of Manuscript and Special Collections in the United States, a bibliographic work prepared under the auspices of The Film and Television Study Center, is available from the publisher, G. K. Hall & Co., 70 Lincoln St., Boston, MA 02111, at a price of \$27. Funded by a two-year grant from the National Endowment for the Arts, the work identifies and describes the collections relating to motion pictures, television, and radio housed in public and private libraries, universities, museums, film and television archives and historical societies in the 11 western states. The collections described include the personal papers of producers, directors, actors, writers and executives; film company records; motion-picture television and radio scripts; and stills and other photographic material.

Pulse Code Modulation and Digital Transmission by G. H. Bennett, a book dealing with the fundamentals of digital transmission, is available from Marconi Instruments, 100 Stonehurst Court, Northvale, NJ 07647, at a price of \$15. The book contains a discussion on how progression to higher rate systems is achieved by means of digital multiplexing. In conclusion the author discusses the future possibility of integrating digital transmission and switching.

The National Association of Photographic Manufacturers (NAPM), 600 Mamaroneck Ave., Harrison, NY 10528, has announced the publication of a 90-page environmental study for the photoprocessing industry entitled *Pathways of Photoprocessing Chemicals in Publicly*

Q: Why do ENG cameramen wear Frezzi-Belts™?

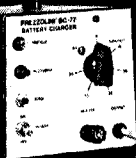
A: To keep their hand-held video cameras from running down!



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The study was conducted to determine the pathways of silver and ferrocyanide discharged in wastewater from photoprocessing laboratories to publicly owned treatment works. The studies showed that silver from photoprocessing becomes insoluble within a wastewater collection system and treatment plant. Silver is effectively removed by the treatment process. Ferrocyanide is similarly removed. In order to develop information on the possible fate of silver and ferrocyanide in wastewater sludges, part of the study assessed leaching from simulated landfill or land disposal operations. The tests showed very little potential for leaching of silver or ferrocyanide from sludges.

The Telecommunication Journal, the monthly review of the International Telecommunication Union contains, in its December issue, three articles of special interest — "Optical-Fibre Telecommunications" by P. Fombonne; "A 140 Mbit/s Optical-Fibre Field Demonstration System" by P. J. Howard and D. R. Hill, and "Rural Telecommunications in Developing Countries: Target of International Collaboration" by G. D. Wallenstein. The *Telecommunication Journal* is published in separate editions in English, French and Spanish. Singles copies are available at a price of 7.50 Swiss francs; two languages, 150 Swiss francs; and three languages, 225 Swiss francs, available from the Sales Division, International Telecommunication Union, Place des Nations, CH 1211 Geneva 20, Switzerland.

The TVP-1000 video processing amplifier is described in a 4-page brochure available upon request from TeleMation, Inc., P.O. Box 15068, Salt Lake City, UT 84115. Features of the TVP-1000 include full sync, blanking and burst regeneration. It is available for NTSC, PAL or PAL-M standards. Specifications are included in the brochure.

Comquip Inc., 366 S. Maple Ave., Glen Rock, NJ 07452, has announced publication of the 1978 *Cine Shoppers Catalog* describing the firms full line of professional motion-picture and video equipment. The catalog lists all types of cameras and accessories including lighting, sound gear, editing, projection and laboratory items as well as production aids and animation equipment. A video section describes many types of television cameras, videotape recorders, picture monitors, support equipment and a variety of accessories. The catalog is available upon request from Comquip.

Shinko Electric Co., Ltd., 11-2, 4-chome, Sotokanda, Chiyoda-ku, Tokyo 101, Japan, has made available a 16-page illustrated catalog listing editing equipment and other motion-picture supplies. Included are all types of professional viewer/editors; film tape splicers for 8mm, 16mm and 35mm film; film winders; digital film counters and others. The catalog is available upon request.

The NAC photographic data reduction systems are described in a 4-page illustrated brochure available upon request from Instrumentation Marketing Corp., 820 S. Mariposa St., Burbank, CA 91506. The systems, for 16mm, 35mm and 70mm, are said to be flicker-free. Fully automated image digitizing for precision quantitative analysis applications is optional.



Section Meetings

Australia, 5 Dec. — The meeting was held in the Conference Room of Agfa-Gevaert Ltd. at North Ryde, a suburb of Sydney, where Art Mayer gave a talk on "Videotape Transfer for Theatrical Projection." Mayer is a producer/director of documentary films and a consultant to the industry. He is an established film producer from the United States who has been residing in Australia for about six years. Among his areas of interest he represents Image Transform of Los Angeles. He described the effectiveness and quality of various methods of videotape transfer and these were demonstrated visually by film. He explained the systems in simple detail and outlined possible uses and limitations.

The talk was followed by a 30-minute question time. In the earlier part of the evening the Chairman and Secretary presented a verbal report of the year's activities and expressed a "thank-you" for the support of the members throughout the year. A plaque from the Society for the membership drive was presented by the Chairman to Don Kennedy. The meeting closed at 10:30 after a social period provided through the courtesy of Agfa-Gevaert. Twenty-five members attended the meeting. — Douglas V. Dove (Chairman), Colorfilm Pty Ltd., 35 Missenden Rd., Camperdown, NSW, Australia 2050.

Dallas/Fort Worth, 20 Oct. — The Dallas/Fort Worth Section joined hands with the local chapter of the Industrial Television Association (ITVA) for a Mini-Cam "Shoot-Out." The meeting was one of the largest ever held by the Dallas/Fort Worth Section with more than 200 members and guests from both the SMPTE Section and the ITVA chapter in attendance. The meeting was held in the studio facilities at WFAA-TV (channel 8) in downtown Dallas. The ITVA Arrangements Chairman, Jerry Hodges, provided the major portion of the program arrangements with the SMPTE Section making technical arrangements and assisting in coordination.

Mini-Cams tested included the Ampex BCC-4; Asaca ACC-2000, CEI-310, GBC-CTC-7X; Hitachi FP1020, SK70, SK80; Ikegami HL-77; and the RCA TK76. Testing began early in the afternoon. A panel of engineers conducting the testing included Cecil Smith (Tektronix); Clyde Miller (KERA-TV); Glenn McEowen (Southern Baptist Radio/TV); Lamar Robison and Dave Goldberg (WFAA-TV); Bill Honeycutt (KDFW-TV); and Stan Pierce, Jr. (KXTX-TV). A preselected check list of 10 tests was decided upon by the organizers and panel. The check list was printed so that each member of the panel could mark his own individual results observed from these tests.

Some of the tests included the checker-board test, flare test, handling of white clips, signal-to-noise, white balance and registration. The tests were performed sequentially on each camera. The test setup included a standard kitchen set, properly lighted by the station's lighting director, and different standard test pattern cards and transparencies. The composite

video output of all cameras was channeled through a 3M routing switcher and fed to a series-strung setup of a Tektronix 520 vectorscope, the 1480 waveform monitor and a Conrac video monitor. Additional monitors were added through a distribution amplifier following the prime monitor to allow members of the audience to observe a visual portion of the tests. The test was intended primarily for operation in a stand-alone manner and not referencing any applications to switcher, special tape recorder control or synchronization.

Each camera was also observed for physical design comparison in terms of portability system or package design, adaptability to field use under extreme conditions, and comfort of the user under actual physical conditions.

The cameras were supplied by the manufacturers or their local representatives and were set up under manufacturer's recommendations for camera registration and pre-adjustment. A representative from each company was present to operate the camera and to answer questions. The testing procedure itself unfortunately took longer than expected and it was impossible to present a tabulation of the data compiled before the end of the meeting. The information was compiled later by Jerry Hodges of the ITVA Dallas Chapter and is currently being prepared with the intention of offering it for publication in a technical journal.

During the testing procedures a presentation was offered of *Beyond ENG*, produced by SMPTE's New York Section. Informal tours of some of the facilities at WFAA-TV were also offered during the testing period.

The meeting was concluded by a hands-on demonstration of the cameras. — Paul F. Brown (Secretary-Treasurer), Southern Baptist Radio/TV Commission, 6350 West Freeway, Fort Worth, TX 76150.

Dallas/Fort Worth, 7 Dec. — The meeting was held at Eastman Kodak's facilities in Dallas with an enthusiastic group of 30 members and guests assembled for the fourth annual Student Production Exposition. The program was intended as an entertaining and inspiring presentation featuring the selected work of some of the area's most promising young producers and students at the Radio-TV and Film Departments of two near-by universities. Student productions from North Texas State University and Texas Christian University were shown. The productions, which utilized student talent, direction, cinematography and technical creativity, were selected by Chairmen of the two departments, Ed Glick of NTSU and R. C. Norris of TCU.

The North Texas State University program was opened by a film entitled *Sync 16—the Arriflex 16BL Camera and Nagra 4.20 Recorder*. The film was produced by students Steve McWilliams and Jim Curtis. It was financed by a grant from Victor Duncan. The film covered a day spent in shooting a film with sound. The production provided good information on equipment usage both in preparatory work and actual production. It was intended as a training film for students in cinematography classes