

Owned Treatment Works. It is available from NAPM at a price of \$25.

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 McEwen (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

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preparing to go into production work. The narration used mainly non-technical terms and demonstrations of the equipment were provided. Next shown were two 30-s public service promotional spots for television made at North Texas for the Campfire Girls of America. Also shown were outtakes of a production being made at North Texas — a mini-documentary on the Wadley Blood Bank — the students' first endeavor using negative 16mm film in production. Jeannie Wilkins of North Texas represented the department and concluded this portion of the program with a brief description of the methods of production and the operations of the department.

The Texas Christian University group presented two films recently completed by two students to serve as their thesis for Masters degrees. The first film, entitled *Highway*, was produced by J. R. Edmonson. A love triangle drama, it had a soft, low-contrast look to suit the very moody settings and script. The film was unusual in that most of the sound was dubbed by the looping method in post production and employed a custom-produced music score. The second production, *Lands End*, by Wood Dickenson was a science fiction drama of a star ship with different factions located in domes external to the main ship. These different factions were at war with each other for supremacy and control over their destination, Earth. The film used many special effects including custom-made laser guns. The film was written some six months before the release of *Star Wars*. Although *Lands End* is similar in concept to the enormously successful *Star Wars*, this similarity was coincidental.

Both of the TCU productions were filmed on Kodak's video news film (VNF) rather than the reversal stocks usually used for such productions. VNF was chosen because of the rapid processing available at local stations making quick viewing and evaluation possible. The final editing and printing were done with the usual work print and printing stock process.

A panel of professionals, covering the areas of film and laboratory practices, equipment selection, cinematography, sound and direction, evaluated each film after its showing to recommend constructive improvements or to endorse new concepts or ideas employed in the production. The program was presented in one of Kodak's outstanding theaters in the Dallas regional headquarters.

The final portion of the program consisted of a hands-on demonstration by Gordon Yoder of the new Mitchell 16mm reflex camera. The camera, incorporating some of the latest electronic technology, is designed to work either as a single system news film camera or as a double system crystal-controlled camera. — Paul F. Brown (Secretary-Treasurer), Southern Baptist Radio/TV Commission, 6350 West Freeway, Fort Worth, TX 76150.

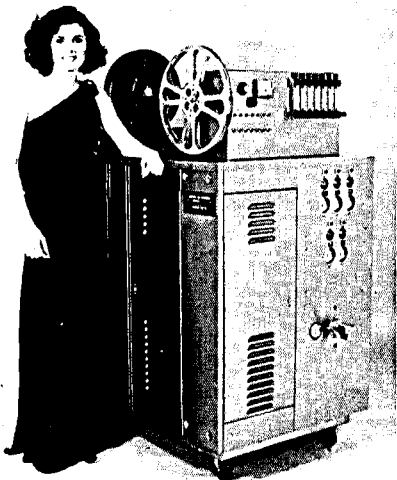
New England, 30 Nov. — The meeting was held at Howard Johnson's Motor Lodge in Newton, Mass., with an attendance of 20 members and guests. Dick Taylor of Colorado Video Inc. provided a presentation on some special application television systems. The presentation covered the operation and applications of narrow-band video. This type of video signal can be

transmitted over telephone, radio and satellite circuits and can be recorded on audio recorders. Applications include medical, educational, surveillance, broadcast, cable television, corporate communications and government applications. Various examples of slow-scan compressed video were displayed. Systems, covering both direct wire and telephone reception, were demonstrated. — John P. Olsen (Secretary-Treasurer), Foxboro Corp., Neponset Ave., Foxboro, MA 02035.

New England, 8 Dec. — Fred Lebow and Bill Phillips hosted a technical open-house at Lebow Labs in Allston, Mass., attended by 40 members and guests. A number of presentations were made by manufacturers' representatives who demonstrated new tape-editing programmers and time-base correctors. Many technical and production innovations were described. Discussions continued until after 10:30. — John P. Olsen (Secretary-Treasurer), Foxboro Corp., Neponset Ave., Foxboro, MA 02035.

New York, 13 Dec. — The meeting was held at the United Engineering Center. More than 160 persons came to hear a highly informative paper entitled, "What is the Normal Exposure for Color Films?" presented by Daan Zwick of Eastman Kodak. Zwick informed the audience of the current theory and practice involved in the measurement and determination of the exposure index of film stocks. Zwick also outlined the parameters of acceptability of the current techniques in measurement of the exposure index of film in relationship to subjective quality assessment. Many questions were raised by the

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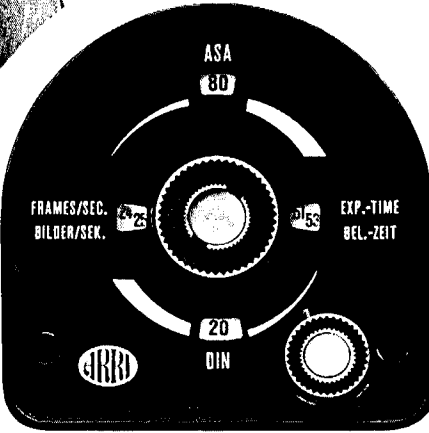
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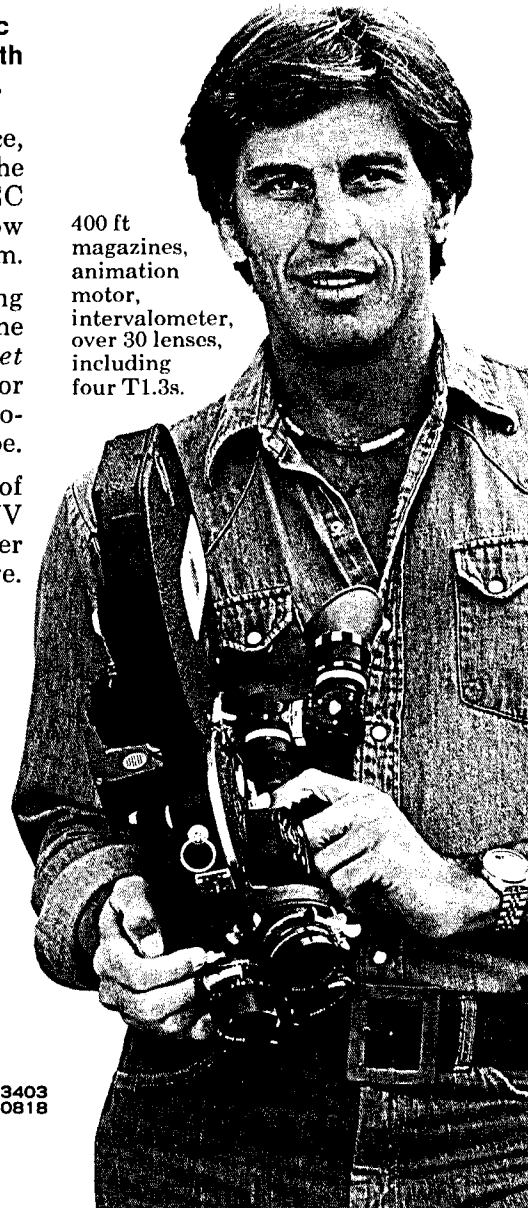
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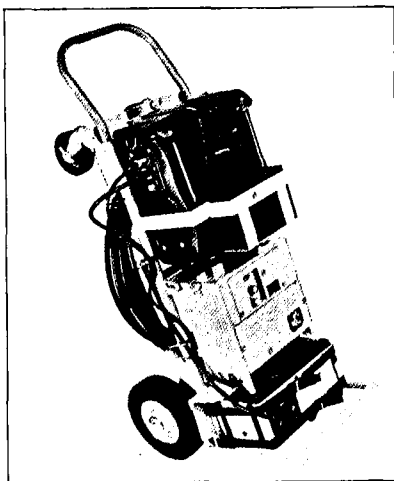
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audience, all of which were expertly handled by Zwick.

A paper entitled, "Let There be Daylight," a discussion of compact source iodide (CSI) lamps was presented by Michael Sheppard of Belden Communications and Richard Sassone, an independent director of photography. Sassone gave a brief history of lighting sources used by film and television studios and Sheppard then discussed the operating performance characteristics of CSI lamps. The lamps have an extremely high luminous efficiency coupled with a color temperature of 4200 K. An outline was given of the advantages and disadvantages of the CSI lamps together with a live demonstration that was most effective. — Richard Marcus (Reporter) Rombex Productions Corp.; home address: 1380 Riverside Dr., New York, NY 10033.

Washington, 14 Dec. — The meeting was held at the Smithsonian Institution with an attendance of 65 members and guests. The speaker was William Shaw of IMAX.

The Smithsonian Institution's National Air and Space Museum is one of several locations in the world that has IMAX® projection facilities. Imax is, basically, a horizontal 70mm projection system run in synchronization with an 8-track stereo magnetic recording. The movie, *To Fly*, projected by IMAX, has been viewed by millions of visitors to the Air and Space Museum. A special showing of this movie and a discussion with Shaw highlighted the Washington Section's final meeting of 1977. Unfortunately Shaw was unable to be in Washington but the 65 members of the audience spoke with him at his home in Canada via a long-distance telephone hook-up. The 40-minute question-and-answer period covered the audio and visual aspects of IMAX. The meeting was preceded by a dinner at Hogue's Restaurant. — Charles F. Wilkinson (Secretary-Treasurer), Eastman Kodak Co., 500 Twelfth St., S.W., Washington, DC 20024.

Announcing a new SMPTE publication on one-inch helical videotape

Editorial Vice President K. Blair Benson has announced that the SMPTE will publish a book on one-inch helical videotape. Publication date will be coincident with the opening of the National Association of Broadcasters' convention, 9-12 April 1978, in Las Vegas. The book will comprise the papers on one-inch helical video from the 12th SMPTE Television Conference (Atlanta, 3-4 February 1978). A transcript of the panel discussion to be held during the Atlanta meeting will also be included, as well as a paper tracing the development of the related standards work on one-inch videotape.

Prepublication Price of the book will be \$12.00 (valid until 9 April 1978). Those attending the NAB Show will also be able to purchase this book for \$12.00. Thereafter the price will be \$15.00, with the usual discount to SMPTE members.