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mittees of both BBC and Independent Television have adopted the continental DIN system. This system calls for a magnetic stripe in the same location on a print as the optical track and continues to make use of the present normal perforations.

As regards 16mm films, both on picture negatives and positive prints, magnetic strips have been used on TV stations' telecine equipment for years. It is likely that compared with "live" TV, the proportion of 16mm and 35mm films will be increased with the development and progress of colour television, both with combined picture and optical sound (comopt) or with combined picture and magnetic sound (commag). This applies especially to colour TV features intended

for the growing world market and its varied systems and line standards.

There are likely to be supplementary purposes for which striped magnetic tracks can be used. For instance, the cutting copies of feature subjects are likely to be edited with sepomag sound. At this stage, when complete, the picture film could be magnetically striped and the sound from the sepomag reel transferred to it, thus converting it to a commag print for immediate transmission.

Such a procedure might be suitable if the routine and expensive process of transferring and preparing comopt tracks is to be avoided.

The author wishes to thank the Rank Organisation and Sonocolor for permission to publish this article.



ATLANTA, Feb. 27—The Atlanta Section met Monday evening, February 27, 1967, at 8:00 p.m., at Provence Productions, Inc., a new motion-picture and television commercial production facility in Atlanta. Members and guests of the Atlanta Section enjoyed a highly instructive evening in this commercial motion-picture production center devoted almost entirely to the production of television commercials. It is one of the largest production facilities of this type in the Southeast and certainly the largest in Georgia.

Gene Mylar, Program Chairman, discussed meetings tentatively scheduled for this year, giving an enumeration of the meetings, dates, and locations.

The evening's program was quite interesting. It began with Bill Brady, a veteran in sound engineering work and formerly with Paramount Productions in Hollywood, discussing the new Fisher microphone boom which he helped design. This boom is much smaller, lighter, and more compact than other booms now on the market and will prove of tremendous value to motion-picture and television producers.

John Barbe, an independent composer, demonstrated several of his music compositions used in the television commercial spots produced by Provence Productions, Inc., including sample spots produced for department stores, banks and independent concerns. He discussed music scoring for television spot commercials, demonstrating with and without music.

Jerry Crowder, President of Provence Productions, Inc., discussed production problems in motion-picture production work. Sample clips of productions were shown and discussed. A question-and-answer period was held.

Fifty-two members and guests attended. Refreshments were served and a tour of the Provence Productions' facilities was given.—Hubert Jenkins, *Chairman*, Public Health Service Audiovisual Facility, National Communicable Disease Center, Atlanta, Ga.

BOSTON, Feb. 15—Dr. Brian Thompson, Director of Optics, Technical Operations Research, Burlington, Mass., presented a paper on "Applications of Lasers to Photography," at the first 1967 meeting of the Boston Section.

The meeting was held at the Arrowhead Inn in Bedford, Mass. and 55 persons attended.

The speaker was highly entertaining as well as informative. Dr. Thompson answered questions from the floor immediately after his paper and during a post-meeting coffee klatch. Audience reaction was quite favorable as evidenced by the number of people waiting to ask questions and examine a hologram sample.—Glenn Lahman, *Secretary-Treasurer*, WBZ-TV, Boston, Mass.

CAPE KENNEDY, Feb. 18—Frank J. Eberhardt, Central Florida Technical Representative, Motion Picture and Education Markets Div., Eastman Kodak Co., presented an interesting program before 35 persons at the Cape Kennedy Section meeting at NCO Academy at Orlando AFB.

Eberhardt described two new films, the Kodak 4X Reversal Film Type 7277 and Ektachrome R Print Film Type 7388. He projected a side-by-side comparison of Tri X and 4X, and between ER Print Film Type 7386 and Ektachrome R. He distributed data sheets on the new films. A

lengthy question-and-answer period followed the presentation.

Following the meeting, a dinner was held at the Officer's Club.—Richard M. Kise, *Secretary-Treasurer*, Radio Corp. of America, Patrick Air Force Base, Fla.

CAPE KENNEDY, March 18—The March Cape Kennedy Section meeting featured a talk by Charles W. Wyckoff, EG & G, Inc., Boston, Mass. His topic was "Lunar Surface Photography and Some of Its Problems." The meeting, attended by 39 persons, was held at the Holiday Inn in Cocoa Beach.

Wyckoff discussed the many photographic problems associated with outer space with an imaginary round trip to the moon with the Apollo astronauts. By using a piece of lava from California and a Sun Gun, he described the lunar surface. The hostile environment on the surface of the moon, the near-perfect vacuum, extremes in temperatures, an excessive contrast between shadows and highlights, will present obstacles to photography that will require special films and techniques.

As a solution to these, he suggested the use of, and described, the new XR film manufactured by EG & G. He pointed out that the first thing the astronauts will photograph will be their own landing craft as it will have color patches and resolution charts painted on the outer surface. To describe the lunar landing module, Wyckoff used a scale model that he built himself long before the concepts were finalized by NASA.

The talk was extremely interesting and was well received by the membership.—Richard M. Kise, *Secretary-Treasurer*, Radio Corp. of America, Patrick Air Force Base, Fla.

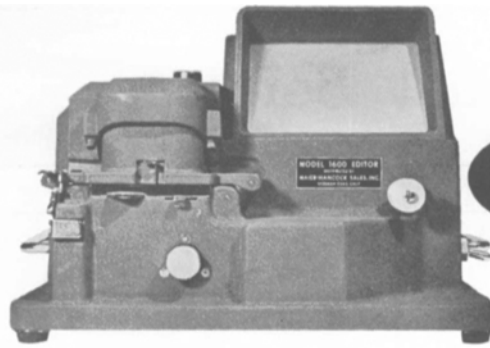
DETROIT, March 21—The March meeting of the Detroit Section was held at the auditorium of The Jam Handy Organization where 65 attended. The program was opened with a 35mm color theatrical short dealing with safe driving entitled, *Don't Take A Chance*.

The guest speaker, Leonard F. Coleman, Eastman Kodak Co., Chicago, discussed new film materials for black-and-white photography and for producing duplicate color prints.

Coleman introduced the new Eastman 16mm high-speed black-and-white negative 7277. Using slides he explained its excellent speed and resolution characteristics. He projected examples of difficult scenes filmed under available light conditions.

To complement the Eastman ER color camera stock, an excellent print stock known as Eastman 7388, Ektachrome R print film, has been introduced. Coleman showed the duplicating qualities of the film in comparison with the original photography by dual projection. The new color-duplicating material gives evidence of excellent fidelity of color as well as favorable grain size. It will greatly enhance the value of the ER camera film by yielding very good duplicate prints.

Coleman, who has substantial experience in film technology, opened the meeting to questions and further enlarged upon film characteristics.



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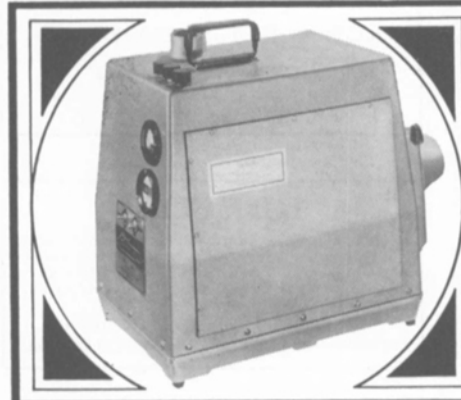
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A coffee hour and demonstration of special technical photographic equipment followed.—John A. Campbell, *Secretary-Treasurer*, The Jam Handy Organization, Detroit, Mich.

MONTREAL, Feb. 21—Seventy-one members attended a meeting of the **Montreal Section** at the National Film Board on February 21. After seeing a new NFB release, *Once Upon a Prime Time*, Canadian SMPTE Governor Gerald Graham, Director of Technical Operations of the NFB, welcomed those present. James Bartleson, Eastman Kodak Co., then gave an excellent paper on "Color Perception and Color Television," demonstrating amongst other points how the apparent chroma content of a picture can be modified by its sharpness and by its angle of coverage. Numerous questions followed and continued during the refreshment period.

After a break, Gerald Graham reported on "Motion Pictures in Czechoslovakia and the USSR." This was a well-illustrated paper based on Graham's recent visit to Eastern Europe to see major film research establishments there. Some of the contrasts, not only with western practice, but also between the eastern bloc countries, were of great interest. One illustration of a certain difference of outlook was the requirement that a film critic be a graduate in cinematography and also fluent in four languages.—Michael Barlow, *Program Chairman*, 5052 Chestnut Ave. Pierrefonds, Montreal, Que., Canada.

MONTREAL, March 29—A popular attraction combined with perfect weather brought out a record 166 persons to a meeting of the **Montreal Section** on March 29. The big feature was a visit to the \$9 million new International Broadcasting Center at EXPO 67. Considering how many members of the Montreal Section are directly involved with this operation, and thus thoroughly familiar with it, the large turnout shows just how well the World Exposition is catching on.

Marius Morais of the CBC gave a short introduction to the visit, illustrating his talk with slides of the construction of the building and some of the technical areas to be visited.

Small groups were then taken on a tour of the building by technical guides arranged by Charles Kirkman of the IBC. These guides were drawn from the technical staff of the IBC, and between them could cope not only with the normal French and English of Montreal, but also with many other languages from Russian to Maori.

The public is normally restricted to passing through specially arranged sound-proof "tour areas" equipped with monitors. In our case, however, we were also shown into all the technical areas, control rooms, etc.

The architecture is very impressive. All the equipment is of Canadian origin. Such items as the solid-state clock system, and the digital VTR count-down generators were of great interest to members, in addition to the unusual control room layouts and lighting arrangements. Coffee at the end of the tour completed a most

successful evening, as witnessed by the number of members attending from as far away as Jonquière, Quebec City and Ottawa.

This meeting was also arranged as a joint visit with the local branch of the Institution of Electronic and Radio Engineers. The combined outing was of undoubted benefit to both the SMPTE and IERE, and we hope to repeat this in the future.

SMPTE members wishing to visit the IBC during EXPO (April-October) should write ahead of time to the International Broadcasting Center, Mackey Pier, Montreal (Att: Mrs. L. Trudeau), explaining which technical areas are of most interest. As with all other EXPO pavilions, there is no charge for admission to the public tours.—Michael Barlow, *Program Chairman*, 5052 Chestnut Ave., Pierrefonds, Montreal, Que., Canada.

NASHVILLE, March 18—The March meeting of the **Nashville Section** featured a lecture and a tour of the Arnold Engineering Development Center, Tullahoma, Tenn. The host was Bob Broyles. The program featured a slide-film presentation of the Center and was concluded with a tour inside the large wind tunnels which are good up to Mach 20. The members found this tour very educational. A luncheon at the Officers Club preceded the program.—William C. Hunter, *Secretary-Treasurer*, WHAS, Inc., 10310 Foxboro Dr., Louisville, Ky.

ROCHESTER, March 9—The March meeting of the **Rochester Section** opened with a Visual Encyclopedia presentation by Dr. E. M. Crane, Eastman Kodak Co., on computer software. The meeting was held at the Dryden Theater.

The meeting's speaker was Dr. C. Robert Hance of IBM who discussed "Photoresists—Evaluation and Applications." He described the various types of photoresist materials available, typical physical properties and specific applications. A motion picture showing the manufacture of semiconductor devices using photoresists was shown. Possible uses of photoresist were discussed, including uses of electron-beam recording.—Robert O. Gale, *Secretary-Treasurer*, Eastman Kodak Co., Rochester, N.Y.

WASHINGTON, D.C., March 21—The United States Information Agency played host to the **Washington Section** for the March meeting where 55 attended.

Robert C. Smith, Chief, Washington Facilities Div., USIA-IMV, discussed and showed examples of typical video tapes the USIA produces for television use overseas. Smith and his staff also conducted a tour of USIA studio facilities.

Carl Lagoda, USIA Electronics Maintenance Crew Chief, gave a slide-illustrated talk on the uses, design criteria and applicability of Unilock to USIA double-system recording. This was followed by a lively question-and answer period. Refreshments were served courtesy of USIA personnel.—Louis C. Beinert, *Secretary-Treasurer*, Audio-Optics, Inc., 1314 Powhatan St., Alexandria, Va.

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