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presentation came from the United States, England and Japan, from various companies including Reeves, Technicolor, Technicolor in England and agencies in Japan.

"Sound of the Seventies" was the title of the 9th paper delivered by Paul Coombe of Film House in Toronto. It was an excellently prepared paper and graphically illustrated by the use of sound tape recordings. He discussed the standards necessary in a modern mixing console—multiple track pickup, the use of equalizers, making mixing and recording more flexible and requiring less time.

He stated that the stereo sound facilities for special presentations were ahead of the film industry at present. It was necessary for film and television to catch up as quickly as possible. He speculated that television in the home of the future would involve a large wall-size screen and stereo sound to achieve a total environment effect.

"Standardization of the Super 8 System" was the last paper on our program and was delivered by Roland Zavada of Eastman Kodak. Illustration was by slides and for this report of the Standardization Committee of the American National Stan-

dards Institute. Mention was made of the continuing processes of standardization. The older terminology, i.e., Standard 8, would be known as "cine 8."

Any standardization program receives resistance; however such programs are dynamic and not static. The U.S.A. standards being developed are to be recognized as a guide to aid, not to restrict. The new super 8 film format was introduced in 1965 because of customer need and acceptance. Agreements are now being worked out to gain acceptable standards between the United States, Europe, and Japan.

The main areas of sensitivity are in arriving at standards for cartridge containers, there being a great difference in cartridges or containers, and in the methods of sound reproduction. There are approximately 10 manufacturers of super 8 projectors, Fairchild will be the first one out. Any standardization would be of a voluntary nature and the program takes considerable time because of technical and legal involvements, the patent laws and several other areas which create confusion. The speaker pointed out strongly that much continuing work was being done in this important area and that further papers will be published.



TORONTO, Nov. 13—The Toronto Section held their November meeting at the Ryerson Polytechnical Institute. There were two papers plus a 30-minute colour film included in the program. The guest speakers joined local SMPTE officers and guests at a pre-meeting dinner at the nearby Town and Country Restaurant.

The meeting opened with a 30-minute colour film on the Grey Cup 1968, which was produced by Chetwynd Films of Toronto.

The first paper was on "Electron Beam Recording," by Richard Dubbe, Research Director, Mincom Division, 3M Co., Camarillo, CA. Mr Dubbe discussed a process whereby a film is exposed by scanning with an electron beam modulated by a TV signal. At the end of the first paper, the Section Chairman thanked Mr. Dubbe for coming from California and presenting his most interesting paper. The new Toronto Section officers for 1970 were announced prior to the coffee break. Coffee and donuts were enjoyed through the courtesy of Quinn Laboratories.

The second paper was, "Sensitometric Printer Control for Modern Additive Colour Printers," by John Buckley of Quinn Laboratories Ltd., Toronto, Ont. Mr. Buckley described a sensitometric method of colour printer control. There were 77 persons present for this most informative and enjoyable meeting.—Herald Eady, Section Chairman, Toronto.

NASHVILLE, Nov. 15—The Nashville Section met at the Tennessee State Game

and Fish Studios. Lou Burroughs of Electro Voice Co. presented a most interesting lecture on "Microphones and Their Applications." A high fidelity stereo tape vividly illustrated various effects of microphone placements and their resultant sound pick-ups. A fine set of colored slides further added to the effectiveness of this lecture.

A pleasant coffee break separated the two sections of Mr. Burroughs presentation. A tour of the new film production facilities of the Tennessee State Game and Fish Commission was conducted by Dave Marrian, film production chief of the Commission.—Aaron Shelton, Secretary-Treasurer, Nashville.

DENVER, Nov. 18—Carl Sipe and Franklin Reinking of Eastman Kodak Co., presented three papers to an audience of 38 members and guests of the Denver Section. The meeting was held in studios of the Thomas J. Barbare Production Company. The first paper dealt with the new ECO-3 camera film, soon to be introduced. Improved characteristics were illustrated in a color motion picture as well as the new processing methods for this camera stock which make possible additional speed.

Secondly, a paper accompanied by slides, detailing the characteristics of the Ektachrome R Print Film #7389 was presented. This print stock makes feasible the production of silver sound tracks on Ektachrome emulsion.

Finally a film entitled, "Movies Move People," specially prepared by Eastman Kodak, was run. The film, in ten episodes, illustrates the use of film to solve an "industrial" sponsor's needs. It is particularly helpful to the film producer in dramatizing to a potential client how motion pictures can be persuasive, illustrative, and the most effective medium to put across an idea.—Jackson R. Cravens, *Secretary-Treasurer*, Denver.

MONTREAL, Nov. 25—The Montreal Section met at the National Film Board where two papers were presented on subjects of considerable interest to both film and television oriented members. The meeting opened with a short but excellent film by the National Film Board, followed by a very well illustrated paper by John Lowrey of Devilia International relating their experiences of shooting film and television from platforms moveable in three dimensions such as helicopters, aircraft and cranes. The key to this work is a unique, gyro-stabilized platform and the paper was presented by Wilson Markle who has been involved with all aspects of the project. Considerable interest was shown in this technique of three dimensional camera tracking.

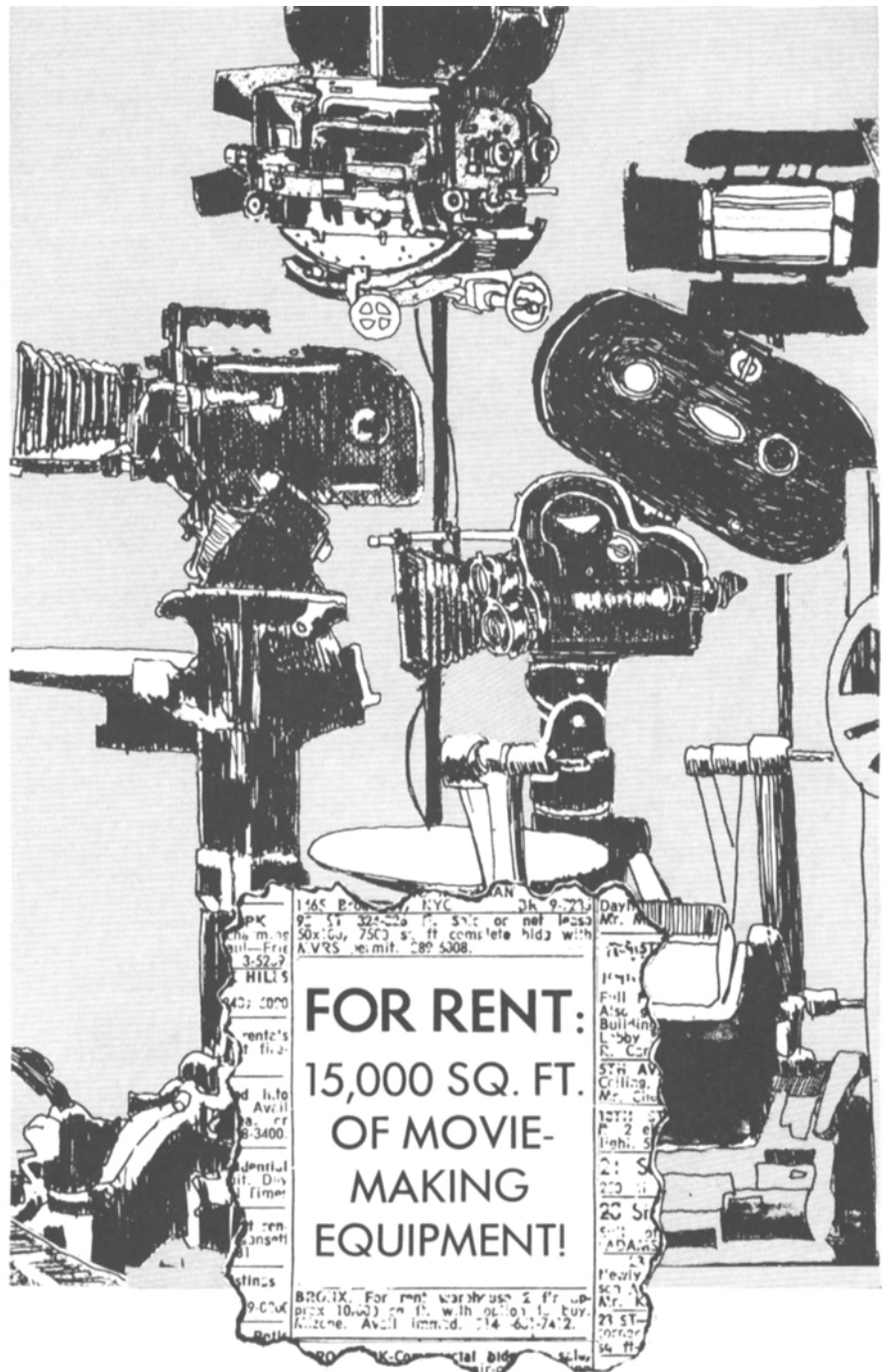
Dr. Chris Siocos, CBC, the Canadian representative to CCIR and other standards organizations, presented some deep thoughts on the subject of international standards and the disciplines and organization involved in achieving them. The Section is grateful for this insight into an essential but little publicized work.

The evening concluded with refreshments through the courtesy of Alex L. Clarke Ltd. Approximately 25 people were in attendance.—Ken P. Davies, *Secretary-Treasurer*, Montreal.

OHIO, Dec. 1—The November meeting was delayed until the first week of December in order to have a presentation and demonstration of the CBS Electronic Video Recorder. Don Mizaur, Motorola Co., and Bill McIntire and Tom Hitchcock, CBS Laboratories each took part in the presentation. They discussed the economic and technical processes of the EVR system. The EVR Video Recorder was shown and demonstrated, creating active audience interest. Mr. Hitchcock, an electronics engineer, answered the technical questions from the audience. The program was followed by a social hour with refreshments.—Robert W. Wagner, *Secretary-Treasurer*, Columbus.

NEW YORK, Dec. 10—Three papers were presented from the Technical Conference in Los Angeles last September: "8mm Printing Systems," by William D. Hedden, Calvin Communications; "The Evolution of Quality in 8mm Prints," by Richard K. Schafer, Eastman Kodak Co.; and "Super 8: A Producer's Viewpoint," by George Howard, The Ealing Corp.

The attendance of 225 was quite large considering the heavy downpour of rain that began before meeting time. Interest ran high throughout and all the audience stayed to the end.—Paul F. Wittlig, *Secretary-Treasurer*, New York.



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