

120th SMPTE Technical Conference and Equipment Exhibit

29 October–2 November 1978, Americana Hotel, New York City

Program Chairman **John Zeman**, under the supervision of the Editorial Vice-President K. Blair Benson, is enthusiastically working with his Associate Program Chairmen to put together an interesting and provocative program using the theme Imagery—Today/Tomorrow. A complete session on the Public Broadcasting Service's Satellite program has already been planned. The Associate Program Chairmen and their topics are listed below:

Edward J. Messina, ABC-TV, 67 West 66 St., New York, NY 10023, phone (212) LT 1-7777 x 7271, is the Associate Chairman for all film subjects.

C. Robert Fine, Fine Communications, 570 North St., Harrison, NY 10528, phone (914) 967-1317, will cover the following topics: Audio in Post Production; Stereo Sound in Video Broadcasting and Theatrical Applications; Production Techniques; Special

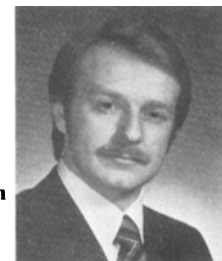
Effects in Film and Video; and Film to Tape and Tape to Film.

L. Merle Thomas, Public Broadcasting Service, 475 L'Enfant Plaza West SW, Washington, DC 20024, phone (202) 488-5000, is responsible for Electronic Editing; Video Processing; Film Laboratory Practices; and Status Reports on Standards and Satellites.

The Associate Chairmen will announce their Topic Chairmen during next month.

CALL FOR PAPERS

Those interested in presenting papers at the New York Conference are invited to submit their manuscripts for consideration. The procedure for submission of papers is as follows. Write to Program Chairman Zeman, or one of the Associate Chairmen at the addresses given above, or to the Conference Programs Secretary (Lynne Robinson) at SMPTE Headquarters, 862 Scarsdale



John R. Zeman
Program Chairman

Ave., Scarsdale, NY 10583; or call (914) 472-6606 for the necessary forms. The appropriate forms and information will be sent out immediately.

The required forms, plus a 500-700 word synopsis of each paper, are due at Headquarters by **1 June**. Before **14 August**, the original manuscript must be sent to Headquarters for evaluation by the Program Chairman and Associate Program Chairman. Authors will be notified in early September of how their papers fit into the program.

L. I. Zaets, *Tekh. Kino Televid.*, 8-12, Feb., 1977.

An investigation has been made into the sources of noise from certain Soviet-made motion-picture cameras, and some suggestions are made for their limitation. — S.C.G.

What a Professional 35mm Motion-Picture Camera Should Be Like (in Russian), E. I. Ivanov, *Tekh. Kino Televid.*, 34-35, March 1977.

Following earlier papers in the discussion, the author presents his suggested specifications for studio and handheld 35mm motion-picture cameras for professional use. — S.C.G.

A System of Coding Film Materials in Synchronized Shooting (in Russian), A. I. Potashnikov, V. L. Seredin and V. L. Trus'ko, *Tekh. Kino Televid.*, 8-13, April 1977.

The system described is intended for encoding frame numbers, take numbers, and other operational information and recording it on the film in the camera, the tape in a magnetic sound recorder, and the tape in a videorecorder, so as to facilitate replay, editing, etc. The circuit of a code pulse generator is described. The system is in use in the Slavutich cine and television complex. — S.C.G.

COMPUTER USE

Microelectronics and the Personal Computer, Alan C. Kay, *Scientific American*, 237: 230-244, Sept. 1977.

Rates of progress in microelectronics suggest that in about a decade many people will possess a notebook-size computer with the capacity of a large computer of today. Ability of the per-

Abstracts of Papers From Other Journals

Abstracts of papers appearing in other journals chosen for their importance and possible value to researchers, as well as those of timely interest, are published in the *Journal* from time to time. Many translations of abstracts from foreign journals, chiefly those of the USSR, are made available to the *Journal* by the Research Laboratories of the Eastman Kodak Company. As a rule, translations are made of the abstracts and not of the papers. The journals in which the papers appear can be consulted at some libraries. Current issues of *Tekhnika Kino i Televideniya* can be consulted at, or borrowed from, the Society's Headquarters Office.

The subject areas are grouped below:

Animation
Cameras
Computer Use
Film
High-Speed Photography and Instrumentation
Information Storage
Laboratory Practice
Optics
Photographic Theory and Materials
Projection
Sound
Television

ANIMATION

The Use of Computers in Making Animated Films (in Russian), M. S. Bezrodnýi, E. Sh.

Mamut and A. D. Gol'dfel'd, *Tekh. Kino Televid.*, 40-41, Jan, 1977.

Computer techniques, already in use outside the USSR, are being used with Soviet equipment. The main principles of the technique are discussed. — S.C.G.

CAMERAS

The Recording of TV Images on Motion-Picture Film Without Line Loss (in Russian), A. M. Melik-Stepanyan, O. P. Makarov, and A. K. Kulakov, *Tekh. Kino Televid.*, 43-47, Jan. 1977.

A motion-picture camera has been designed for photographing television tube images, in which a complete television frame is recorded at a time, with intermittent motion of the film. The camera has two film gates, each with its own film transport. While a frame is being recorded in one gate the film is being advanced in the other, there being a small take-up loop of film between them. Frames on the film are out of the normal sequence and cannot be used directly in ordinary projectors. Prints, however, can be made with the normal sequence. — S.C.G.

Construction Principles of Low-Noise Motion-Picture Cameras without Casing (in Russian),