

# News

## SMPTE Begins Membership Drive

The SMPTE has embarked on a major drive for new members, it was announced by SMPTE Membership Chairman Earl F. Arbuckle, WPIX, Inc.

To ensure the success of this drive, participation by SMPTE members is requested. Those members who know one or more people who would be interested in joining SMPTE, should send the names to the SMPTE Membership Dept., 862 Scarsdale, NY 10583. Membership kits will be mailed to them immediately. **Members who sponsor five new members will receive an attractive marble paperweight bearing the official SMPTE logo.**

Every organization must have infusion of new blood in order to maintain its vitality. The Society, as the premier membership organization in the fields of motion pictures and television technology, wants to reach more professionals in these fields so they may bring in new ideas, new perspectives, and new skills. All members are asked to do their part to help SMPTE succeed in this worthwhile enterprise.

## SMPTE Members Honored at BKSTS Fellows Luncheon

Several members of the SMPTE were among those honored with Fellowship or Honorary Fellowship by the British Kinematograph, Sound and Television Society (BKSTS) at their annual Fellowship Luncheon on July 3, 1985. Awards were presented to Leonard F. Coleman, Joseph Roizen, Daan Zwick, and Arnold Schieman.

Leonard F. Coleman was awarded Honorary Fellowship by the BKSTS for his considerable contribution to the motion-picture and television industries. In his early career, Coleman was responsible for organizing and developing the motion-picture processing laboratory used for

testing all of Eastman Kodak Co. products manufactured in the U.S. Until recently he was in charge of their Motion Picture Products Development Group, and he is now general manager for motion-picture and audiovisual products in the U.S. He is also a Fellow of the SMPTE, and has held many offices in the Society including the Presidency in 1982. Unfortunately, Coleman was not able to attend the ceremonies at the BKSTS, and SMPTE President Harold J. Eady accepted the award on his behalf.

Joseph Roizen was awarded Honorary Fellowship in the BKSTS for his commitment to education and the imparting of knowledge to others. Now president of Telegen in Palo Alto, Calif., Roizen made major contributions to the early development of color television, and particularly to color videotape recording. He participated in the development of the SECAM system, and pioneered the use of other television techniques with video recording for large outdoor events. A consultant and speaker at technical conferences, he is also a Fellow of the Royal Television Society and the SMPTE, in addition to being active in international standards organizations.

Honorary Fellowship was awarded to Daan Zwick, an engineer, lecturer, and author, for his outstanding contribution to the development of color films. Zwick has devoted his time and energies to the improvement of motion-picture films for both movies and television, investigating and studying the basic nature of graininess and sharpness of color photographic materials for over 30 years. A former senior head of research at Kodak's Physics Laboratory in Rochester, he worked on the development of Eastman color motion-picture films. He was honored with the Herbert T. Kalmus Memorial Award by the SMPTE in 1972 for his contribution to color technology, and with the Agfa-Gevaert Gold Medal Award for his contribution to the television-film inter-

face. He is also a Fellow of the SMPTE.

Fellowship was awarded to Arnold Schieman for his continuous research and dedication to improving the quality of the film image. Schieman joined the National Film Board of Canada in 1942, progressing from cinematographer to chief of services until his retirement in 1982 as senior technical consultant. During his career, he made outstanding contributions to Canadian laboratory techniques, especially in film printing. His most recent accomplishment was the development of a film and restoration process which is used throughout the world. He was also responsible for the development of a film-cleaning material which has found wide acceptance. He is an active member of the BKSTS and a Fellow of the SMPTE.

## Chairman Named for SMPTE Filtering Requirements Group

The appointment of Bill Hogan as Chairman of the SMPTE Joint Ad-Hoc Group to Study Filtering Requirements, in the component studio environment, was announced during the July 15, 1985, meeting of the committee.

The appointment was announced by Merrill Weiss, chairman of the Working Group on Component Analog Video Standards, and Stan Baron, chairman of the Working Group on Digital Video Standards. The joint committee was established by the two Working Groups. Its responsibilities include the study of filter characteristics and their effects on component video images, an area of concern to both of the Working Groups.

The joint committee completed a series of tests and evaluations on various filters during its meeting. A report of the initial findings will be forwarded to the Working Groups in time for their next meeting cycle.

The two Working Groups are coordinating their activities to create complementary component systems which allow easy interchange of signals between analog and digital form and to better utilize available resources.

Bill Hogan is president of Ruxton, Ltd., Burbank, Calif.



Leonard F. Coleman



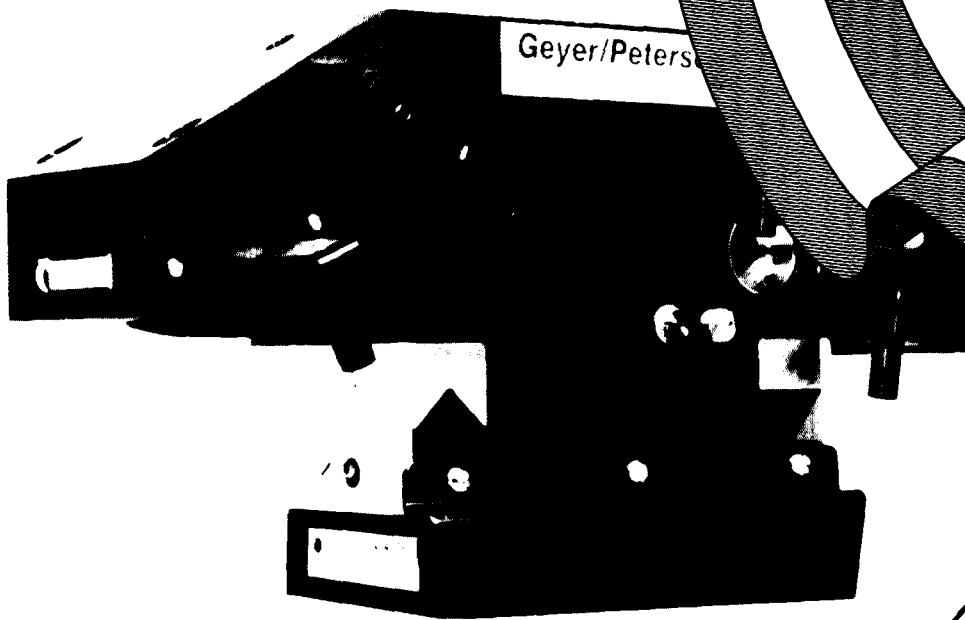
Joseph Roizen



Daan Zwick



Arnold Schieman



# GO WITH A WINNER

November 1984, S.M.P.T.E. Conference, Christoph Geyer, Technical Director of Geyer Werke GmbH, received the Herbert T. Kalmus Gold Medal Award in recognition of his work in the design, engineering, construction and application of total immersion wet printing gates and the unique total immersion wet gate system for the Rank Cintel Mark III Telecine and the Marconi B3410 Telecine.

Peterson Enterprises Inc. manufactures and adds their design to the Geyer/Peterson Video Immersion System for the Rank Cintel Telecine. The latest design of both 16mm and 35mm Full Immersion Wet Gates requires a simple action when switching from wet to dry transferring and vice versa. This feature offers the distinct advantage of using one head for both wet and dry transfers, and has the cost-saving added benefit that existing Rank dry heads can be converted for this purpose. The new system permits high speed dry shuttling at 10 x speed and wet shuttling at 3 x speed in both forward and reverse film travel.



The Herbert T. Kalmus Gold Medal Award presented to Christoph Geyer

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## **SMPTE Component Analog Group Agrees on Two Standards Proposals**

At its meeting on July 15, 1985, the SMPTE Working Group on Component Analog Video Standards reached an agreement on the two basic component analog television proposed standards. The two documents are being forwarded to K. P. Davies, Chairman of the SMPTE Committee on Television Technology, for review as part of the standards approval process.

The two documents, "Draft of a Standard for Three-Channel Parallel Component Analog Video Interface" and "Draft of a Standard for a Single-Channel Multiplexed Analog Component (S-MAC) Video Interface," establish the basic criteria for component television interfaces in both the parallel, three-channel, and the serial, single-channel, S-MAC forms.

Merrill Weiss, chairman of the Working Group, thanked the members of the Working Group for their diligence. "In two and a half years, our collective efforts have produced and tested studio interface which will assist the industry in deriving maximum benefit from component video operation," Weiss said.

The two standards were designed for maximum compatibility with the characteristics of CCIR Recommendation 601 on digital television studio interface. The parallel interface has been coordinated with similar work being done by the European Broadcasting Union (EBU). The EBU is currently beginning to study the single-channel interface, and close cooperation is expected in that area as well.

The Working Group will dedicate the documents to the memory of Don Musson of NBC, who contributed significantly to the development of the standards.

## **Digital Television Standards**

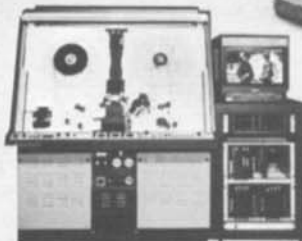
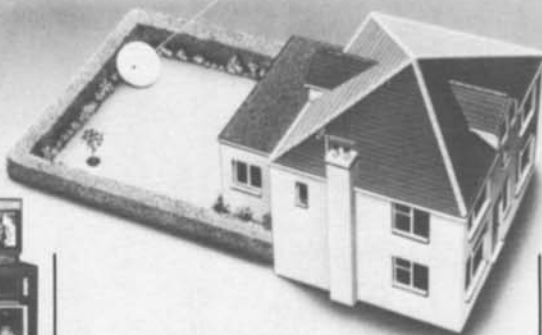
Significant progress was made in establishing international standards for future digital television studio systems at a meeting of a CCIR\* Working Party held at the NHK Engineering Headquarters in Tokyo in May. The International Working Party, designated IWP 11/7, agreed to new draft standards for both bit-parallel and bit-serial video signal interfaces, defining the interconnections between items of digital television equipment.

These drafts will be submitted to CCIR Study Group 11 for approval, and following ratification, will be published by the CCIR Plenary Assembly in 1986. When published as CCIR Recommendations, the standards will enable manufacturers,

\*The International Radio Consultative Committee (CCIR) and the International Telegraph & Telephone Consultative Committee (CCITT) provide technical support for the International Telecommunication Union (ITU), the organ of the United Nations which regulates the world's communications.



# Towards the year 2000



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broadcasting organizations, and production houses to proceed confidently with digital television equipment design and installation. Many major features of the draft standards are common to the 525 and 625-line systems, thus facilitating international exchange of programs and permitting economies in equipment manufacture and operation.

Advantages of the digital signal approach, as compared with current analog technology, are better picture quality and greater flexibility in production signal processing, including special effects. Digital television equipment is more reliable and needs no routine readjustments.

IWP 11/7 is chaired by A. N. Heightman, GEC-McMichael Ltd., assisted by Vice-Chairmen K. P. Davies, Canadian Broadcasting Corp., and T. Saito, NHK. The 25 members are specialists representing 17 countries, national broadcasting organizations, and their international associations.

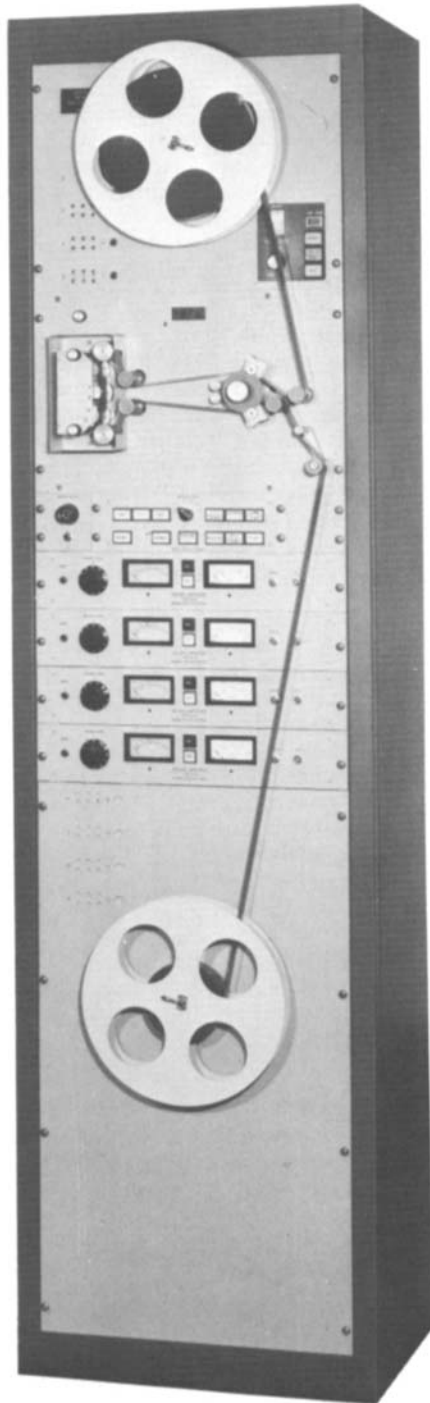
### SMPTE Introduces Pink Noise Test Films

In its efforts to meet the changing needs of the industry, the SMPTE has added pink noise test films to its line of test materials. When used in conjunction with an X-Y oscilloscope and a spectrum analyzer, pink noise recordings provide a fast, convenient means of testing azimuth alignment and amplifier equalization on motion-picture sound reproducers.

The films will be available in 16mm magnetic sound, and in 35mm magnetic and optical sound formats. For further information and a catalog of SMPTE test materials, contact the Test Materials Dept. at Headquarters. The department also welcomes any comments or suggestions regarding its test materials program.

**Technidisc, Inc.**, Troy, Mich., and the Droid Works, have introduced a new Edit-Disc service for users of the EditDroid video editing system. The service includes film-to-tape-to-disc or tape-to-disc transfer as well as color correction. Technidisc will supply specially manufactured, durable DRAW discs in the LaserVision format, which are not subject to information degradation. The service is being offered with a 24-hour turnaround to major markets in the U.S.

**The WGBH Caption Center**, Boston, has announced the August opening of a one-stop captioning facility for television commercials in New York City. In cooperation with Movielab Video, Inc., The Caption Center/New York will perform all phases of the captioning process in the Movielab building at 619 W. 54th St. The Caption Center is a nonprofit, self-supporting department within the WGBH Educational Foundation.



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**Abe H. Sonnenschein**, Hughes Aircraft Co., Torrance, Calif., has received the 1985 Science and Technology Award of the National Cable Television Association (NCTA). The award was made for Sonnenschein's pioneering work in the development of microwave techniques used for local TV signal distribution. He also played a key role in implementing the first interactive cable TV system in the 1970s. The award was presented at NCTA's 34th annual convention in Las Vegas in June.



**Alvy Ray Smith**, director of computer graphics research, Lucasfilm Ltd., has been appointed to the National Computer Graphics Association's Computer Animation Awards Committee. He was selected because of his work in establishing the Computer Graphics Laboratory at the New York Institute of Technology, and for his work on feature films, including *Star Trek II*, and *Return of the Jedi*.

**Donald C. Wilkinson** has been appointed director of engineering, Fisher Broadcasting Inc., Seattle, Wash. In his new post, he will have the responsibility for all engineering and technical activities, including for the Fisher-owned KOMO Radio and TV, Seattle, and KATU-TV, Portland. Wilkinson joined KATU in 1963 as studio engineer, and prior to his present appointment, he was chief engineer.

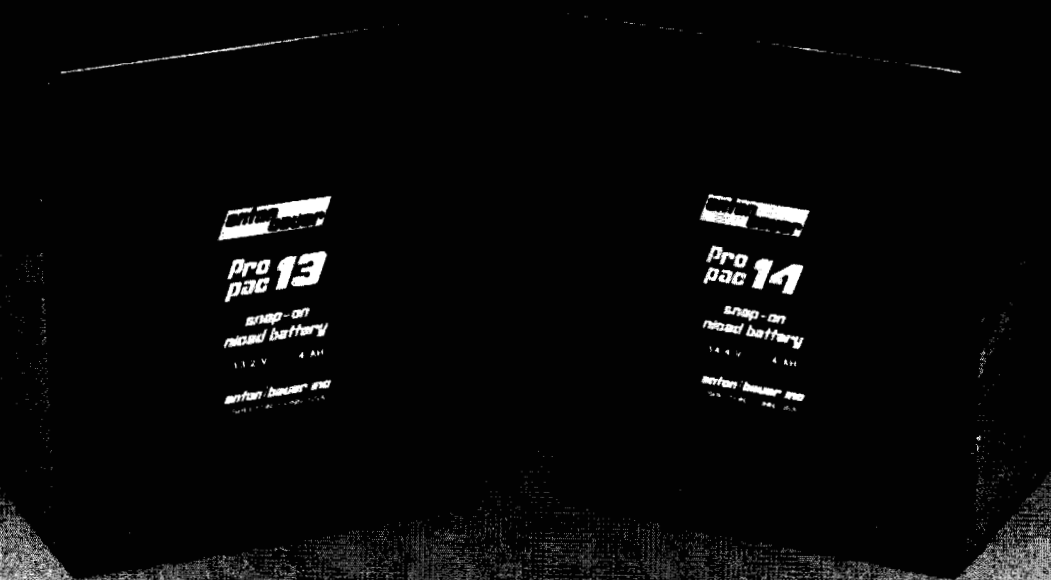


**Brent Judd** has joined Fujinon Inc. as western region manager with headquarters in Carson, Calif. He will be responsible for OEM, dealer and end-user sales, support, and service for the West Coast as well as management of the office and its staff. Prior to assuming his new post, he was director of engineering, Centro Corp. While with Centro, he designed and supervised the building of KHIS-TV (Channel 45). Before that, he was a partner and vice-president of engineering with A&G Productions. During his 7 years with A&G Productions, the company won 21 Emmys, two of which were awarded directly to Judd, one for videotape editing, the other for technical direction.



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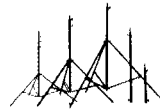
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