

News

SMPTE Publishes New Books

Two new books have been published by the Society. *Better Video Images* and *4:2:2 Digital Video Background and Implementation* are being offered at a special introductory price of \$28 each, including postage and handling, or \$50 for both books. After June 1, the price will be \$28 a book for members and \$35 for non-members, plus postage and handling.

Better Video Images contains papers presented at the 23rd Annual SMPTE Television Conference by experts in television broadcast and production. The contents appear below.

Foreword, *Frank J. Haney*

Preface, *Peter Hammar*

Opening Address, *Frank J. Haney*

System-Wide Integration of Analog and Digital Component Video in a Post-Production Environment, *Jim Farney and Bob Frey*

Better Video Through Digital Post-Production Techniques, *Thomas E. Kennedy and Bert Swackhamer*

Naturalistic Camera Moves in Image Compositing, *Richard Patterson*

The Gemini Process: A Theatrical-Quality Video-to-Film Transfer Process, *Stewart Dickson and Bill Villareal*

Component Digital Switching, *Andy Sheldon*

601 in Use, *A. J. Mitchell*

8-City DS3 Digital Video Trial — Progress and Networking Features, *Robert J. Blackburn*

Objective Measurement Methods of Motion Artifacts for 45 Mbit, NTSC, DPCM, Bit-Reduction Video CODECS, Part 2, *Howard Meiseles*

International Collaboration of HDTV Signals, *Keiichi Kubota, Yuichi Iwadate, Kenzo Seo, and Matsuo Matsumoto*

How to Use 4:2:2 in the 16/9 Aspect Ratio, *Max Artigalas and Jean Luc Grimaldi*

A Progress Report on Improved NTSC, *Yves Faroudja and Joseph Roizen*

Reduction of Multipath Effects and Channel Distortion in Broadcast Television, *Melih Pazarcı*

Surviving in Broadcasting's Standards "Ménage à Trois," *C. Robert Paulson*

EBU Activities in the Worldwide Search for HDTV Studio Standards, *Charles P. Sandbank and David Wood*

Reducing Financial Aliasing in HDTV Production, *Charles A. Pantuso*

Second-Generation HDTV Camera, *Laurence J. Thorpe*

Engineering and Program Production Experience with High-Definition Television, *Norman W. Green, Derek P. Allsop, and Mike A. Elgey*

A Very High Resolution, 16.7 Million-Color HDTV Graphic System, *T. Fujimori, H. Gaggioni, M. Imai, N. Ichikawa, H. Hirase, M. Tereda, and K. Hata*

Compatible Hierarchy of Studio Standards, *Jean Chatel*

NTSC-Compatible Advanced Television System and Implications for Studio Standards, *S. Merrill Weiss and Kerns H. Powers*

Future HD Video Production, *Kotaro Wakui and Noboru Yura*

The European Perspectives on HDTV, *John R. Forrest and Gary Tonge*

High-Definition Transmission, Signal Processing, and Display, *William E. Glenn and Karen G. Glenn*

Spectrum-Compatible High-Definition Television Transmission System, *Wayne Breil, Richard Citta, Ronald Lee, and P. Fockens*

HDTV and Today's Broadcasting World, *Yoizo Ono*

Evolutionary Approaches to Advanced Television — Making the Migration Possible, *S. Merrill Weiss*

A Compatible High-Definition Television System Using the Noise-Margin Method of Hiding Enhancement Information, *W. F. Schreiber, E. H. Adelson, A. B. Lippman, B. Girod, P. Monta, A. Papat, H. Sallic, P. Shen, A. Tom, and K. Zangi*.

The second book published by the Society, *4:2:2 Digital Video, Background and Implementation*, was edited by Glen Pensing. It contains articles published in the *SMPTE Journal*, two previously unpublished articles by SMPTE Engineering Vice-President Stanley N. Baron, CCIR Rec. 601-1 and SMPTE RP-125. A list of the contents follows.

Part I: Developing a Worldwide Standard

Worldwide Color Television Standards — Similarities and Differences, *D. H. Pritchard and J. J. Gibson*

Factors Leading to the Choice of a Digital Television System, *Frederick M. Remley*

Sampling Frequency Compatibility, *Stanley N. Baron*

Digital Television Coding Standards, *Frank Davidoff*

Digital Video Coding Standards: Factors Influencing the Choice in Europe, *A. H. Jones*

Part II: SMPTE Demonstrations — San Francisco 1981

Preface, SMPTE Demonstrations of Component-Coded Digital Video, San Francisco, 1981, *Kenneth P. Davies*

Putting Together the SMPTE Demonstrations, *Merrill Weiss and Ron Marconi*

SMPTE Component-Coded Digital Video — Picture Quality Assessments, *David Bennett*

Afterword: SMPTE Digital Video Activities — Achievements, Conclusions, Future Objectives, *Frank Davidoff*

Part III: Implementation

Implementation of the Digital Component Video Standard — A 625-Line View, *John L. E. Baldwin*

Some Concepts for the Digital Television Studio, *Kenneth P. Davies*

An Experimental All-Digital Television Center, *D. Nasse et al.*

Experience with an Experimental Component Digital Production Facility, *Chris J. Dalton and Norman W. Green*

Part IV: Maintaining Digital Facilities

Fault Diagnosis in the Digital Studio, *David J. Bradshaw*

A Study of Maintenance Requirements for Component Level Diagnostics in Digital Equipment, *Tom Cavanagh and Keith Field*

Part V: Future Development:

A Hierarchy of Digital Standards for Teleproduction in the Year 2001, *Kerns H. Powers*

Development of Component Digital VTRs and the Potential of the D-1 Format, *J. K. R. Heitmann*

Ten-Bit Processing in an 8-Bit Environment, *Peter D. Symes*

Dynamic Rounding: An Update, *D. Peter Owen*

The Bridge to the Future, *Stanley N. Baron*

To take advantage of the special introductory offer, send a check for the correct amount to SMPTE, 595 W. Hartsdale Ave., White Plains, NY 10607. You may also charge books over the telephone by calling (914) 761-1100.

A new SMPTE Section was recently established in Italy, bringing the total number of sections to 22. At their February meeting, the members of the Board of Governors unanimously approved a petition signed by 68 SMPTE members in Italy. Angelo D'Alessio (Ampex Italia)

was the driving force behind the formation of the new section. The new section has taken several years to organize. In 1986, the SMPTE sponsored an all-day meeting in Italy; since then, Italians in the motion-picture and television industry have been actively recruiting new members. The Italian Section will hold its meetings in Milan and Rome; the first meeting will be in Milan on June 27.

The number of SMPTE Sustaining Members has risen to 281 companies, according to Sustaining Membership Committee Chair Charles H. Jablonski, NBC. A full listing of Sustaining Members appears on the last page and the inside back cover of each issue of the *SMPTE Journal*. A description of each company appears in the annual *Directory for Members* published in April. Contact Mr.

Jablonski at NBC, 30 Rockefeller Plaza, 701 W, New York, NY 10112, for further information.

Audio cassettes of the technical papers presented at the 23rd Annual SMPTE Television Conference in San Francisco are now available for \$7.00 each, including postage and handling. For more information, contact Julie Wood, SMPTE, 595 W. Hartsdale Ave., White Plains, NY 10607; telephone (914) 761-1100.

HDTV '90, the Fourth International Conference on Advanced Television Systems, will be held at the Ottawa Congress Centre, in Canada, June 25-29, 1990. The conference, which has a theme of "Advanced Television: The Complete Picture," will include technical papers on new services, applications, and economics; production techniques and technology;

distribution and transmission; new developments in display systems; and strategies for introduction of new television systems. Summaries of papers will be accepted until June 30, 1989, by Bruce Read, Program Chair, TV Ontario, 2180 Yonge St., P.O. Box 200, Station Q, Toronto, Ont. M4T 2T1, Canada; telephone (416) 484-2638. The official languages of the colloquium will be English and French.

Cinema Products Corp. has established a division to rent 65mm production equipment. The new group, CP65 Rentals, is located in Los Angeles and has the Showscan® CP65 camera, many ShowPrimes™ and ShowZoom™ lenses, follow-focus systems, matte boxes, filters, video-assist units, heads and tripods, power supplies, and rig cameras available for rental. CP65 Rentals is located at 3211 S. La Cienega Blvd., Los Angeles, CA 90016.

Special Meeting of the Voting Members of the SMPTE

White Plains, N.Y.

2:00 P.M., June 1, 1989

To the Voting Members of SMPTE:

NOTICE IS HEREBY GIVEN, that a special meeting of the Society of Motion Picture and Television Engineers, Inc., will be held at 2:00 p.m. local time, June 1, 1989, at 595 West Hartsdale Avenue, White Plains, New York.

The purpose of this meeting will be to vote on proposed amendments to the Society's Constitution and Bylaws. These amendments have been processed by the Revisions Committee and unanimously approved by the Board of Governors at its meetings of October 13, 1988, and February 2, 1989.

1. References to Gender

At the October 13, 1988, Board of Governors meeting, unanimous approval was given to neuter all references to gender appearing in the Society's Constitution, Bylaws, and Administrative Practices. These changes are editorial in nature and do not change the intent of the Constitution or Bylaws. The amended Constitution and Bylaws appear in the *Annual Directory for Members*, published April 1989.

2. Regional Representation

The purpose of the amendment is to ensure more equal representation by Governors of regions which are made up of more than one Section.

Bylaws, Article III, Section 2, Subsection B

Amend to read: Each region shall be represented on the basis of one Governor for each 500 members, or fraction thereof, of any grade. **No one section within a region shall have more than one Governor for each 500 Section members or fraction thereof, of any grade except by two-thirds vote of the Board of Governors.** Governors representing regions in the United States and Canada shall be elected by the voting membership in their respective region. International Governors shall be elected as specified in Article III, Sec. 6 below.

(The bold-faced words represent an addition to the current Bylaws wording).

For the purpose of voting on these proposed amendments to the Society's Constitution and Bylaws, the Board of Governors has authorized me to solicit proxies pursuant to Article XI of the Bylaws in order to ensure a quorum at this Special Meeting.

After consideration of the proposed amendments please mark, sign, and return your proxy. If you attend this Special Meeting in person, your proxy will be returned to you upon request, and you may vote in person if you so desire.

By direction of the Board of Governors.

March 15, 1989

Maurice L. French, President