

Announcing a Brand New Book From SMPTE

Digital Video—Volume 2

Digital Video—Volume 2 is a brand new book published by SMPTE. It's a perfect complement to SMPTE's earlier book, *Digital Video*, a book that has had phenomenal success in the broadcast industry.

Where *Digital Video* laid down the basics of digital video (that book's purpose was mostly tutorial with emphasis on what digital television is and how it works), this new book picks up where the first one left off and provides an in-depth review of the latest information in this exciting field.

New Developments

Many significant advancements have been made in digital video technology in the past two years. For example, experimental digital video recorders have been demonstrated, new graphics possibilities have been opened up using digital equipment, the Teletext system for broadcasting is now in operation in Europe, and digitally modulated optical laser systems are now being used experimentally instead of conventional microwave ENG systems. The era of digital video is almost upon us. And this book tells you where the state of the art is to-

day, and what to expect in the future. It is brimming with information of urgency to the broadcaster of today . . . and tomorrow.

The table of contents shows what this new book contains. There are chapters touching virtually every corner of digital technology, with special attention to digital effects, computer animation and digital video recording.

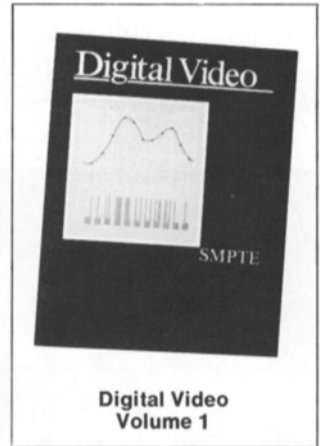
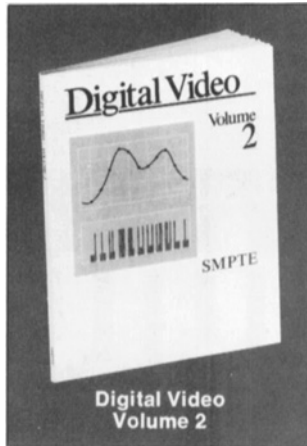
The material for this new book comes from the digital video papers that were presented at SMPTE's 120th Conference in New York, November 1, 1978, and most papers on digital television that were presented at the SMPTE's 13th Annual Television Conference in San Francisco, February 3, 1979.

The impact of digital video is being felt more and more in television broadcasting. This trend will continue as digital technology becomes more refined. SMPTE's new book brings you the latest and most up-to-date information on digital video by the leading experts in the field.

160 pages 8½ x 11 softbound
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Contents, Digital Video—Volume 2

- The ANTIOPE Broadcast Teletext System, *Yves Guinet, CCETT (TV & Telecommunications Research Center), Rennes, France*
- Optical Television Link Employing a Digitally Modulated Laser, *A. A. Goldberg, S. Juchnowycz and J. Rossi, CBS Technology Center, Stamford, Conn.*
- A Monolithic Video A/D Converter, *Willard K. Bucklen, TRW LSI Products, Redondo Beach, Calif.*
- Digital Processing in the DPS-1, *John Lowry and Richard Kupnicki, Digital Video Systems, Toronto, Ont., Canada*
- Panel Discussion Transcription: The Near-Term Future for Digital Television. The panel is comprised of authors of participating papers and representatives of the SMPTE Study Group on Digital Television and of the Working Group on Digital Video.
- The Expanding World of Digital Video Effects, *Richard Taylor, Quantel, Ltd., Newbury, Berkshire, England*
- The Use of the Computer in Animation Production, *Edwin Catmull and Alexander Schure, New York Institute of Technology, Old Westbury, N.Y.*
- Some Experiments in Television Graphics and Animation Using a Digital Image Memory, *Richard G. Shoup, Xerox Palo Alto Research Center, Palo Alto, Calif.*
- Color Graphics and Animation by Mini-Computer, *Noboru Asamizuya and Tatuo Futai, Sony Corp., Tokyo, Japan*
- The Mosaic Keyer, *Shigeru Jumonji, NHK (Japan Broadcasting Corp.), Tokyo, Japan*
- Low Bit-Rate System for Digital Coding of the Television Signal, *P. Rainger and P. A. Ratliff, British Broadcasting Corp., London, England*
- Separate Components Digital Video Recording Is Needed and Possible, *Dominique Nasse, CCETT, Rennes, France*
- Digital Video Recording — A Progress Report, *Maurice Lemoine and Joachim Diermann, Ampex Corp., Redwood City, Calif.*
- Digital Video Recording — What Will It Do for the Broadcaster?, *Edward Herlihy, Golden West Broadcasters (KTLA), Los Angeles, Calif.*
- Panel Discussion Transcription: Digital Video Recording, *Moderator: Donald V. West, Broadcasting magazine; Peter Rainger, British Broadcasting Corp.; Charles Ginsburg, Chairman of SMPTE Working Group on Digital TV; Dominique Nasse, CCETT; Joachim Diermann, Ampex Corp.; Edward Herlihy, Golden West Broadcasters; K. Blair Benson, Video Corp. of America; Arch Luther, RCA Corp.; Marcel Auclair, Canadian Broadcasting Corp.*



**Still Available
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Digital Video—Volume 1

Published in 1977, this book is the landmark volume on the subject with 19 chapters, a glossary and a bibliography. If you do not have a copy, order yours now. It's a book no broadcaster should be without.

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