



# Section Meetings

**Chicago, 16 December** — The meeting was held in the Swedish Club of Chicago, with an attendance of 40 members and guests. The theme of the program was Total Immersion Panel Printers. Bruce Peterson of the Peterson Company spoke on "Total Immersion Panel Printers in a Variety of Modes." John Ehrenberg of Bell & Howell spoke on "A New Continuous Contact Full Immersion Wet Motion Picture Printer." Both speakers discussed the evolution of design and the significance of laboratory input after wet printing experience. Considerations regarding operator safety and concern regarding the safe handling of the film were discussed at length. The interchangeability of heads to reduce capital expenditure was of considerable interest to the audience.

An extremely lively question-and-answer period followed the presentations. — Michael H. Bailey (Secretary-Treasurer), Allied Film Laboratory, Inc., 1322 West Belmont Ave., Chicago, IL 60657.

**Detroit, 10 December** — The meeting was held at the University of Michigan, Media Resources

Center, Ann Arbor, Mich., with an attendance of 30. The speakers were Don Blascom, Chief Engineer, WFUM, Channel 28, and Frederick Remley, Technical Director, Broadcast Services, University of Michigan. He is the SMPTE Vice-President for Television Affairs. His presentation was on "Television and Motion Pictures in the People's Republic of China." He showed slides taken during a tour that he and other SMPTE officers made through China. Various television and motion picture facilities and equipment were shown and compared with American technology. — R. Randolph Hippler (Secretary-Treasurer), General Television Network, 13225 Capital Ave., Oak Park, MI 48237.

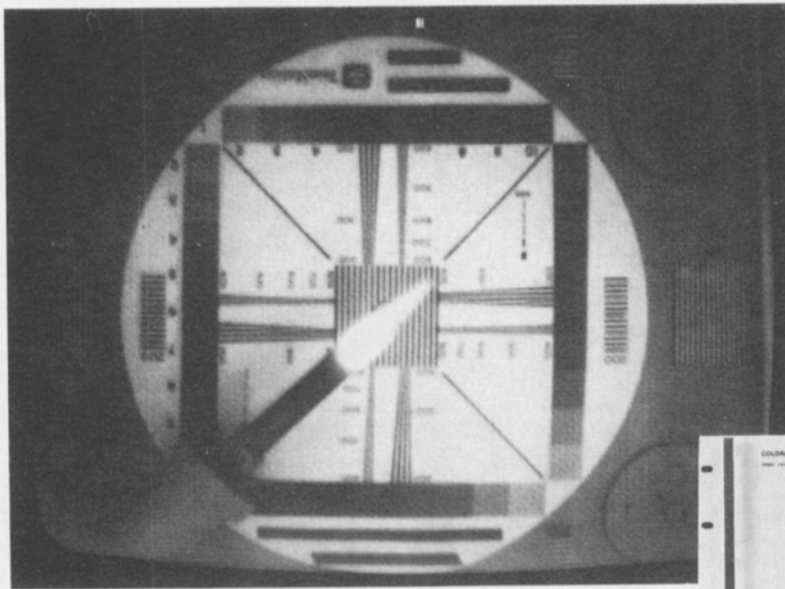
**Hollywood, 8 January** — An overflow crowd of 250 heard a very interesting presentation by Carl Schultz and Steve Price, both of the Animation Video Division of Convergence Corp., who described the AniVid system. This system produces broadcast quality frame-at-a-time animation directly on videotape. The presentation was followed by a lengthy question-and-answer session and then by a hands-on session. A dinner at Michael's Los Feliz Restaurant preceded the

meeting. — Gary L. Borton (Secretary-Treasurer), Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood, CA 90038.

**Nashville, 18 November** — The meeting was held at the WTVF studios in Nashville, with an attendance of 42 members and guests.

Dick Lawrence, Lenco Inc., Electronics Division, opened the program with a discussion of the EIA RS-170A Recommended Practice for Horizontal Sync, Horizontal Blanking and Burst Timing in Television Broadcasting. He pointed out the importance of maintaining SCH (subcarrier horizontal) within RS-170A tolerances and discussed the difficulty of accurately measuring SCH with conventional television test equipment. He then described and demonstrated Lenco's new Videoscope. This device utilizes a conventional picture monitor to display a literal representation of the horizontal blanking interval during line 10, field 1 of any television signal. The Videoscope can be used for analyzing, adjusting and timing signals and accurately certifying their compliance to the RS-170A Recommended Practice.

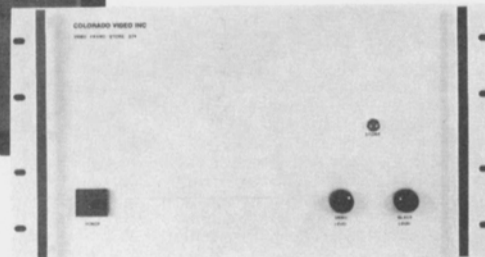
## Digital Video Memory



Seeing by the light of a soldering iron, one of the special applications of the 274C.

The 274C contains a 512 x 512 x 8-bit memory that may be used to "freeze" black-and-white or color TV signals. A digital I/O port allows rapid transfer of memory contents to a computer or other location, as well as allowing use of the 274C for high quality reconstruction of digitally encoded images.

Options include multiple memory configurations and image subtraction. Please contact us for price and delivery information.



colorado video

POST OFFICE BOX 928 BOULDER, COLORADO 80306 USA  
PHONE (303) 444-3972 TWX 910-940-3248 (COLO VIDEO BDR)

# *It's The Best Selling Professional Tape Machine In The World.*

***The MX-5050B***

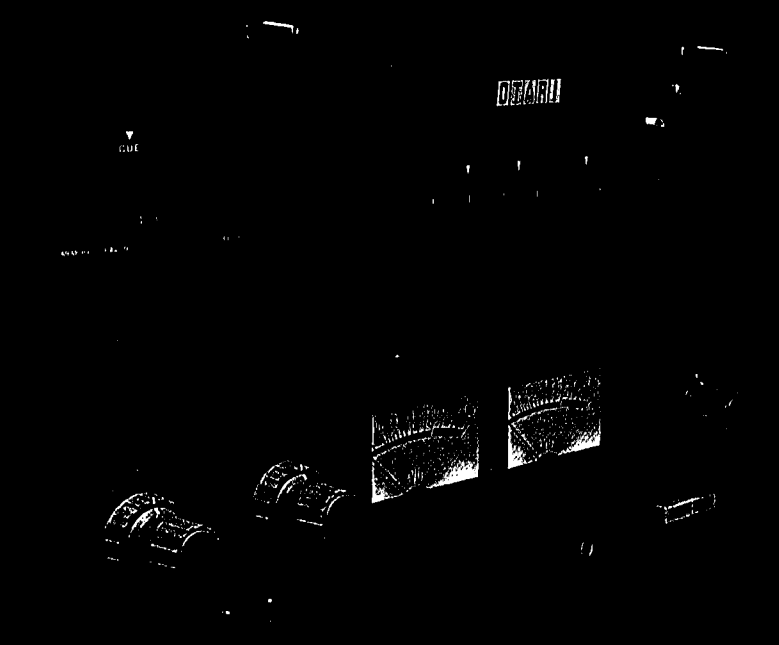


**B**ecause of quality that delivers unmatched reliability. Because Otari designed this machine to go to work—overtime. Because it offers the performance and features of machines which cost more than twice as much. Because of ingenious production technology and intelligent design decisions from the manufacturer of the most comprehensive line of professional tape machines in the world.

All this comes for less than \$2500. The Otari 5050B can ease your production burdens while assuring your banker its return on investment. You can also avoid the hassles of a used or rebuilt machine with The New Workhorse.

It's a tough act to follow—but we're doing it. Keep in touch and check out the 5050B at your nearest dealer.

Dollars for dB's, it's the best tape recorder made.



**The New Workhorse**  
**OTARI**

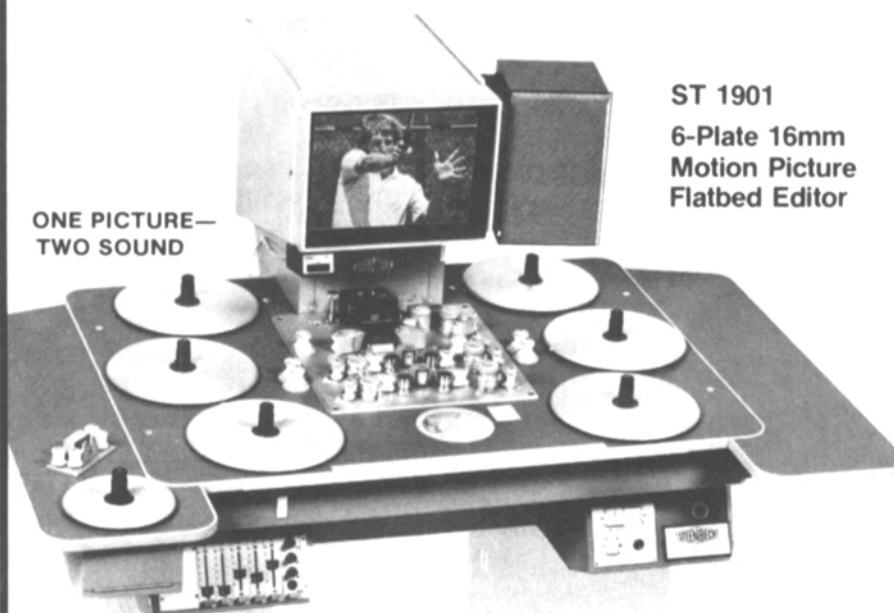
Otari Corporation  
1559 Industrial Road  
San Carlos, CA 94070  
(415) 592-8311

In Canada:  
BSR (Canada, LTD.)  
P.O. Box 7003  
Station B  
Rexdale, Ontario M9V 4B3

# STEENBECK

INC.

## NEED SIX PLATES? MINIMUM SPACE? ST 1901 IS THE ANSWER



ONE PICTURE—  
TWO SOUND

ST 1901  
6-Plate 16mm  
Motion Picture  
Flatbed Editor

- Very bright and sharp picture virtually without flicker through the use of an 18 faced revolving prism.
- Simple threading of picture and sound track with synchronizing points outside the right and left sprockets.
- Slide attenuators control volume.
- Each track can be disengaged from the motor drive and moved by hand.
- Simple operation: Steenbeck's single lever main governor improved for continuous control of speed from top reverse to top forward.
- Extremely fast start and stop. No noticeable transition from stop to sound speed.
- All mechanical and electronic parts are easily accessible for maintenance purposes.

Manufacturers of the Worlds Finest Flatbed Editors  
9045 Eton Avenue • Suite A Canoga Park, CA 91304 • (213) 998-4033

Please contact your  
local Steenbeck, Inc. Dealer

**THE CAMERA MART, INC.**  
456 West 55th Street, New York, N.Y. 10019  
(212) 757-6977

**GENERAL ENTERPRISES, INC.**  
10518 Detrick Ave., Kensington, MA 20795  
(301) 942-1170

**VICTOR DUNCAN, INC.**  
2659 Fondren, Dallas, Texas 75206  
(214) 369-1165

**KINGSWAY FILM EQUIPMENT, LTD.**  
821 Kipling Ave., Toronto, Ontario, Canada M8 Z 568  
(416) 233-1101

Following Lawrence's presentation, Paul Raymond and Steve Brant, television field engineers for Tektronix, Inc., described and demonstrated the Model 1980 Answer System. This microprocessor-based system is designed for automated video signal measurement. Through the use of Tektronix software or user developed programs, virtually any amplitude or time-related parameter of a television signal can be measured and analyzed. The device includes a CRT display on which alphanumeric or graphic representations of signal data can be viewed. Brant demonstrated programs that analyzed an off-air signal including pulse widths, sync and video amplitudes and VITS identification.

Following each presentation the speakers answered many questions from the audience. — Michael S. Arnold (Secretary-Treasurer), WDCN-TV, P.O. Box 120609, Nashville, TN 37219.

**Pacific Northwest, 21 November** — The meeting was held at the CBC Broadcast Center in Vancouver, B.C., with an attendance of 38 members and guests. The speakers, all with CBC, were Roy Yates, Dave Currie, and Duane Goertson, each of whom spoke on some aspect of the lighting arrangements at CBC. Yates's presentation was entitled "The Role of the TV Lighting Director From Show Conception to Culmination." Currie spoke on "CBC's Vancouver Studios, Their Equipment and Programming." Goertson spoke on "Electrical Batten and Fly System and Allied Control Equipment." The audience was smaller than usual (the "Who Shot J.R. Episode" on *Dallas* was on that night) but it was very appreciative. — Fred Engel (Manager), CBC/TV, P.O. Box 4600, Vancouver, B.C., Canada V6B 4A2.

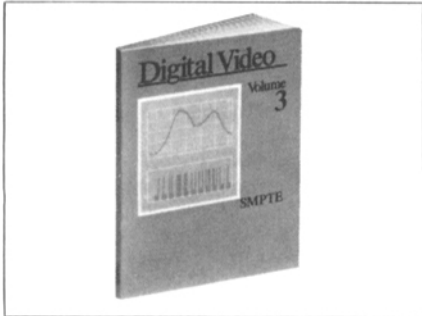
**Rochester, 14 January** — The meeting was held at the Kodak Office Building in Rochester with an attendance of 60 members and guests. Ed Mitchell gave a demonstration of a multi-slide presentation using a small computer. The script for the demonstration was written by Robert Gibbons. They gave a very interesting demonstration which showed why multi-slide presentations are becoming so popular.

Don Verploeg demonstrated the equipment for the methods of dubbing and mixing sound onto motion picture films. Many questions were asked after each demonstration. This was a very informative meeting. — K. Gerald Evans (Secretary-Treasurer), WHEC Inc., 191 East Ave., Rochester, NY 14604.

**San Francisco, 11 December** — Some 150 interested people showed up for the December tour of the new KPIX-Westinghouse Broadcast facility. Our hosts, Walt Nichol and Merrill Weiss, first described the trials and tribulations involved with the selection of a site and adapting to the myriad regulations requiring conformity to standards covering skyline, earthquake, environment, etc. Next they described in detail the equipment and techniques used to make the most up-to-date station in northern California. A tour of the building was conducted to enable everyone to judge for himself the success of the planning and construction. — Joseph A. Semmelmayr (Secretary-Treasurer), Eastman Kodak Co., P.O. Box 3145, San Francisco, CA 94119.

**SMPTE's Best Selling Books on Television's Rapidly Developing Technology:**

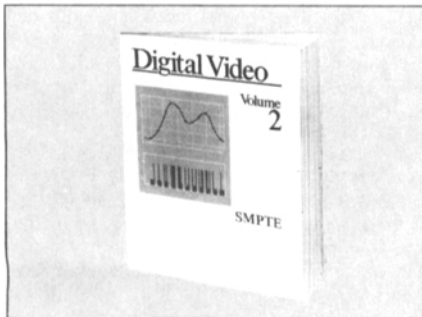
# Digital Video—Volumes 1,2,3



## Digital Video—Volume 3

Published 1980. SMPTE's newest book on digital television. It contains 24 papers presented at SMPTE's 1980 Television Conference, the transcript of SMPTE's NAB Digital Decade Workshop, plus a glossary of digital video terms. Subjects covered are The All-Digital TV Plant, Digital Signal Processing, Digital Transmission and Testing, and Digital Recording.

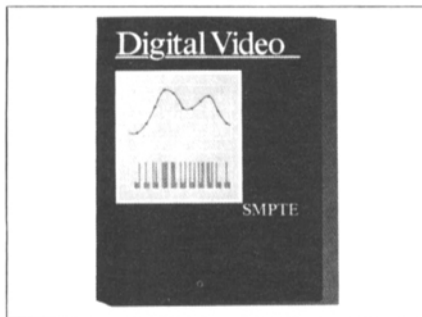
**232 pp.      8½ x 11      softbound      Price \$20.00\***



## Digital Video—Volume 2

Published 1979. The book gives readers an excellent insight into the techniques and applications of digital technology and equipment. Its 14 chapters cover almost every corner of digital technology, including Teletext, Digital Special Effects, Computer Animation, and Digital Video Recording. Includes a transcript of discussion on Digital Video Recording by a panel of digital video experts.

**164 pp.      8½ x 11      softbound      Price \$15.00\***



## Digital Video—Volume 1

Published in 1977. Now in its fifth printing, this is SMPTE's most popular book. This book is the landmark volume on digital video, a book that provides the basic information on digital technology. It contains 19 papers, a glossary of digital video terms and bibliography. This book provides the fundamentals you need to understand this rapidly-developing technology.

**122 pp.      8½ x 11      softbound      Price \$15.00\***

**Act Now! Mail this no-risk coupon today.**

**SMPTE Books**  
862 Scarsdale Ave., Scarsdale, NY 10583



Please send me the following books.

| Quantity | Title                  | Price      | Amount   |
|----------|------------------------|------------|----------|
| _____    | Digital Video—Volume 3 | @ \$20.00* | \$ _____ |
| _____    | Digital Video—Volume 2 | @ \$15.00* | \$ _____ |
| _____    | Digital Video—Volume 1 | @ \$15.00* | \$ _____ |

Enclosed is my check for \$ \_\_\_\_\_ for the book(s) indicated above including postage and handling charges.† If not satisfied, I may return the book(s) within 15 days and receive a prompt refund.

Please bill me, including shipping and handling of \$1.50. If not satisfied I may return the book(s) within 15 days and you will cancel my invoice.

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

†Foreign orders add \$1.50

\*20% discount available for SMPTE members

SMPTE member?  Yes  No

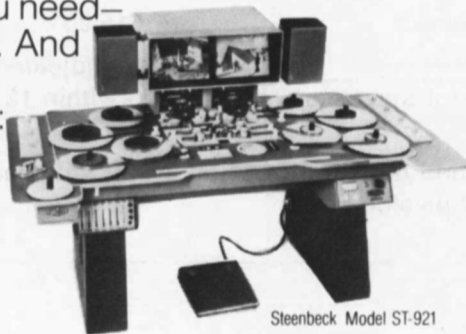
# Camera Mart and Steenbeck.



To do a great job, you need great editing equipment. That's why you need Steenbeck. And Camera Mart. It figures. Where else would you find a top name in editing equipment but at the top name in

equipment supplies? Camera Mart is Steenbeck's only N.Y. distributor. And we have it all. The models you need—either 16 or 35mm. And the arrangement that suits you best: rental, sales or leasing.

Camera Mart and Steenbeck—a terrific team.



**The Camera Mart, Inc.**

456 West 55th Street, New York, NY 10019 (212) 757-6977 Telex: 1-2078  
Sales • Service • Rentals

**San Francisco, 15 January** — The meeting was held at the Ampex Corporation Cafeteria, Redwood City, Calif., with an attendance of 35 members and guests. The meeting had originally been scheduled as a two-part program with Terry Sheffield, Vice-President of Marketing for Swintek Corp., to give a paper on "RF Microphones" and George Leslie, President, VSC Corp., to provide a presentation on "Speech Compression." Unfortunately Sheffield had to cancel his appearance, due to a sudden call to Washington, D.C.

In lieu of Sheffield's presentation, the audience was treated to a compilation of the 1980 Cleo Awards through the courtesy of Eastman Kodak Company. Following this, Leslie traced the history of attempts at speech compression. He reviewed the various techniques and devices tried in the past and then described the VSC approach using pitch correction techniques. He then provided a demonstration of audio and video tapes run at different speeds to show both the amount of compression possible and the quality obtainable. — Joseph A. Semmelmayr, Eastman Kodak Co., P.O. Box 3145, San Francisco, CA 94119.

**Washington, D.C., 3 December** — The Washington D.C. Section's December meeting (held at the Eastman Kodak Company in Arlington, Va.) was one of those rare occasions when so much seems to go wrong but in the end everything works out wonderfully. It was certainly not dull. At the last minute we lost our speaker, got the materials to go ahead with the program, and then discovered that there was no script to the presentation. Telegraph and telephone lines burned hot as Section Chairman Harold Vincent leaped into the breach to save the day.

The evening of 3 December started with one of the most successful and popular pre-meeting dinners that the Washington D.C. Section has ever had. But even as we dined, Chairman Vincent was in the midst of solving our dilemma. Solve it he did, and the 30 attendees were treated to a fine technical presentation on "A Comparison of Intermediate Duplicating Systems for Negative-Positive Film." This audiovisual presentation started with the goals of duplicate negatives in trying to recreate as closely as possible the look of the original. We were then introduced to the characteristics used to judge film: tone gradation, contrast, color saturation, definition and graininess. As we took a look at the various trade-offs necessary to achieve a peak in each characteristic, we were shown visual comparisons of two different intermediate duplicating systems. An unusual aspect of the program was the opportunity given the audience to voice their opinion on which system was being shown before having the system revealed. This gave us a good opportunity to exercise our critical faculties.

The second part of the meeting was on "Low Contrast Print on Video Films For Television." This time we saw a video demonstration on the transfer from film to tape, both from 35-mm original and 16-mm original.

Although this report was written with a touch of levity, the Washington D.C. Section would like to express its heartfelt thanks to Section Chairman Harold L. Vincent for going way beyond the call of duty to insure that our December meeting could go on without a hitch. — James Messenger (Secretary-Treasurer), Charlie/Papa Productions, Inc., P.O. Box 2213, Rockville, MD 20852.

**TV TECHNOLOGY IN THE 80's**  
See page 252