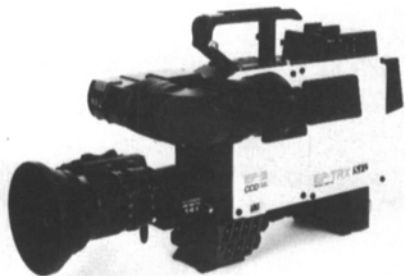


New Products

Further information about these items can be obtained from the addresses given. As with technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



NEC America EP-3 CCD camera

A CCD camera has been introduced by NEC America, Inc., 1255 Michael Dr., Wood Dale, IL 60191. The EP-3, which is designed for high-end electronic field production as well as studio applications, provides horizontal resolution of 700 television lines. Sensitivity is 2000 lux (at $f/5.6$) and the signal-to-noise ratio is 62 dB. The EP-3 also features a built-in electronic

shutter with seven selectable speeds, adjustable viewfinder, and a host of micro-processor-based automatic functions.

The WJ-450 digital quad system has been put on the market by Panasonic Industrial Co. (Professional/Industrial Audio Video Division), One Panasonic Way, Secaucus, NJ 07094. The system allows multi-source monitoring: a videographer can simultaneously view four different inputs (from color cameras or VCRs) on a single monitor; the pictures are divided into four blocks. The quad or individual camera mode is push button selectable. The WJ-450 can be used with most industrial video monitors and cameras.

The NovaSync™ video frame synchronizer has been announced by Nova Systems, Inc., 50 Albany Tpke., Canton, CT 06019. The unit combines frame synchronization, automatic default, automatic gain control, input switching, black source, color bars, and amplifier processing capabilities. Full bandwidth, 8-bit encoding, and 14.3-MHz sampling provide broadcast-quality signal processing. Designed as a

one-rack unit, the NovaSync is suited for production, broadcast, and cable television applications.

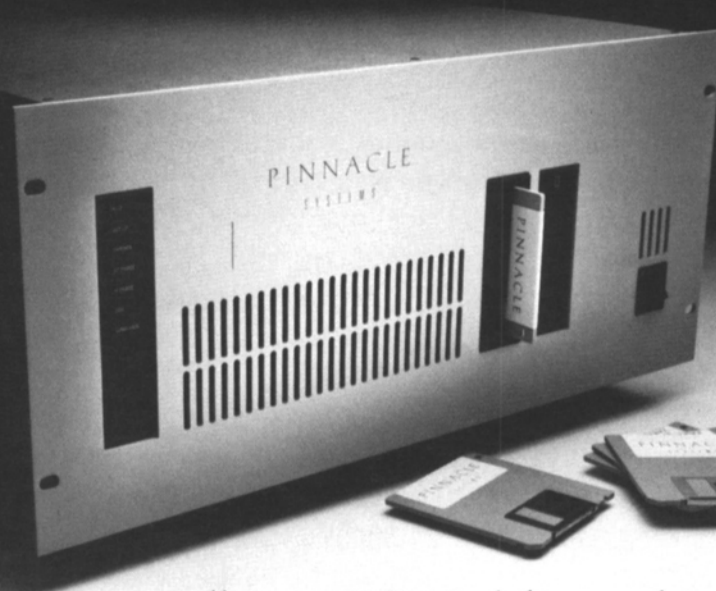


Telcom TCR-660 time-code reader

A time-code reader has been introduced by Telcom Research, 100 George St., Hamilton, Ont. L8P 1E2, Canada. The TCR-660 reads and displays standard SMPTE/EBU time code or user data. It operates with NTSC and PAL color framing, as well as on drop-frame and 24, 25, and 30 frames/sec.

The Shot Box has been announced by Cinema Electronics, P.O. Box 120, Hermosa Beach, CA 90254. This compact device expands the capabilities of video assist: a cameraman can preview effects with a video assist system instantly. Superimposition, split screen, horizontal and vertical wipe, and other functions can be controlled from a panel on the Shot Box. Additional features include high-resolution frame store, frame synchronizer, switcher, dual-output distribution amplifier, and

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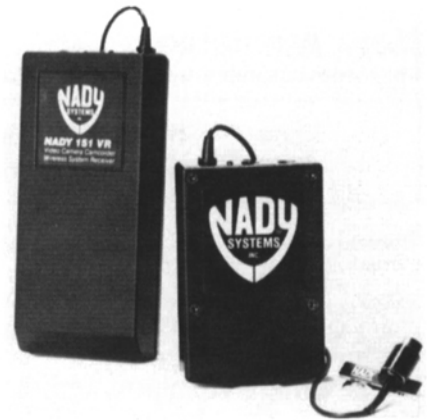


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low-power indicator. The Shot Box will run for more than 14 hr on a standard 12-V camera battery.



Nady Systems Model 151 microphone system

A wireless microphone system has been introduced by Nady Systems, Inc., 1145 65th St., Oakland, CA 94608. The Model 151 VR, which operates on frequencies in the VHF highband, offers a dynamic range over 110 dB. The system features various controls as well as LED indicators, and comes equipped with a lavalier microphone. The Model 151 VR is compatible with all video cameras and camcorders having an audio input.



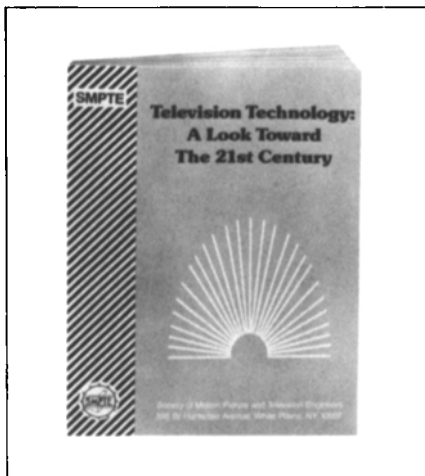
Birns & Sawyer rocker plate

A new rocker plate has been made available by Birns & Sawyer, Inc., 1026 N. Highland Ave., Hollywood, CA 90038. With this rocker plate, a camera can pan and tilt from an extremely low-angle position (the plate elevates the camera only 3¼ in. from the ground). The plate has a delrin bearing which allows camera pan to be accomplished freely and smoothly. Both pan and tilt can either rock freely or lock at any desired angle.

New software for the PictureMaker® graphics production system has been announced by Cubicomp Corp., 21325 Cabot Blvd., Hayward, CA 94545. The Model 522-00 software, integrated with Cubicomp's Race™ render accelerator boards, enables Matrix film recorders to output the PictureMaker's high-quality (2000 lines of resolution) images at high speed. The software, which takes both 2-D and 3-D pictures, features image filters for higher video resolution.

Television Technology: A Look Toward The 21st Century

Television Technology: A Look Toward The 21st Century offers a glimpse at the future of advanced television technology. All but one of the papers appearing in the book were presented at the 21st Annual SMPTE Television Conference held in San Francisco, Calif., February 6-7, 1987.



The papers, presented by the distinguished roster of international speakers who represented the world's leading television laboratories, major television networks, production facilities, and manufacturers, appear in this

	Contents
Foreword , Joe Roizen, Telegen, Palo Alto, CA	M. Lemoine, S. Magnusson, F. Morrison, D. Rodal, D. Ryan and J. Watney, Ampex Corp., Redwood City, CA
Preface , Howard T. La Zare, Deluxe Laboratories, Inc., Hollywood, CA	Video Research for the Human Viewer , J. K. Clemens, RCA Laboratories/David Sarnoff Research Center, Princeton, NJ
Opening Address – 21st Television Conference , Howard T. La Zare, Deluxe Laboratories, Inc., Hollywood, CA	Technical Research and Development for the Growth of Tomorrow's Broadcasting Business , Masahiko Ohkawa, NIK, Tokyo, Japan
Today's Videographic Environment – An Overview , Peter C. Lowten, Pixel Consulting and Liaison, Mountain View, CA	Television Engineering Research in the BBC, Today and Tomorrow , Bruce Moffat, British Broadcasting Corp., London, England
The Video Computer: Image Computing in the Studio , Alvy Ray Smith, Pixar, San Rafael, CA	The Big Screen Is Closer Than You Think , John R. Forrest, Independent Broadcasting Authority, Winchester, England
Variable-Resolution Rendering System Extends Television Animation Graphics to Film and Print Media , Philip Lucht, BTS, Salt Lake City, UT	TV Research in CCETT: To and Through the 90's , Jacques Sabatier and Jacques Poncin, CCETT, Rennes, France
R-DAT Format Overview , P. A. Dare and R. Katsumi, Sony Corp., Teaneck, NJ	Improved Television Systems: NTSC and Beyond , William F. Schreiber, Massachusetts Institute of Technology, Cambridge, MA
Operational Experiences and Future Expectations from the M-II Format , Steven Bonica, NBC, New York, NY	Evolution During Revolution , Guy Gougeon, Canadian Broadcasting Corp., Montreal, Canada
CBS Experience with Small Format Videotape and the Implications for the Future , Bernard L. Dickens, CBS Broadcast Group, New York, NY	Cultivating the Wasteland with Technology , Richard Green, Public Broadcasting System, Alexandria, VA
High Performance Half-Inch Metal Tape for M-II Videocassettes , Masaaki Fujiyama, Shigeo Komine and Koshu Kurokawa, Fuji Photo Film Co., Ltd., Elmsford, NY	Television: The Challenge of the Future , Joseph A. Flaherty, CBS, New York, NY
Development of Component Digital VTRs and the Future Potential of the D-1 Format , Jurgen K. R. Heitmann, BTS, Darmstadt, Germany	New Technology and the Broadcaster , Max Berry and Robert Thomas, Capital Cities/ABC, Inc., New York, NY
The Composite Digital Format and Its Applications , E. Engberg, R. Brush,	New Frontiers, the Next 15 Years , Michael J. Sherlock, NBC, New York, NY

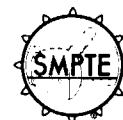
volume. Though not necessarily agreeing on where the future of television lies, the papers cover a range of ideas which should be both stimulating and informative to those in the television field. Take a look at the table of con-

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New software and editing improvements for the APR-5000 analog audio recorder are available from Sony Corp. of America, 9 W. 57th St., New York, NY 10019. The software enhances the synchronization capabilities of the APR-5000 recorders. A self-optimizing feature establishes sync quickly and holds it as the machine adapts to external references. The new software has been developed with several features, among them the Bitbump feature. This is especially valuable in synchronizing APR-5000s to film and video devices by allowing offset adjustment accurate to the bit, or 1/80 of a frame.

To improve the editing capability of the APR-5000 Series, Sony has introduced editing platforms. Easily mounted onto the sides of the recorder, the platforms make splice editing — a frequently used technique in analog audio production — fast and simple.



Musco Lightbar

The **Lightbar** has been introduced by Musco Mobile Lighting, Ltd., P.O. Box 73, Oskaloosa, IA 52577. The four-head bar accepts incandescent, HMI, or metal halide lamps. Each head is equipped with pan, tilt, and focus controls, which can be operated at a distance of several hundred feet. The system includes advanced mounting brackets and electrical connecting hardware. The Lightbar can be used in sports arenas, convention facilities, and newsrooms.



Microtran HD-30 degausser

A **degausser** has been introduced by Microtran Co., Inc., 145 E. Mineola Ave., Valley Stream, NY 11582. The HD-30 erases high-energy 1200-Oe tapes to 60 to 90 dB below the recorded level. The instrument, which works on reels, cassettes (including U-matic), and cartridges (through the D-1 format), features a 3300-gauss field and thermal overload cut-off function that resets automatically.

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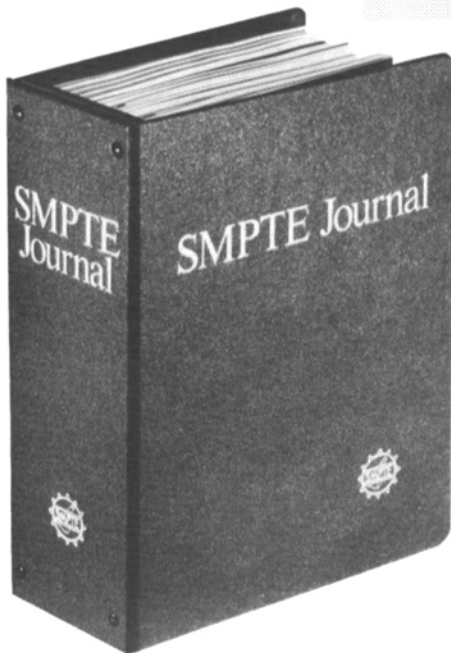
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