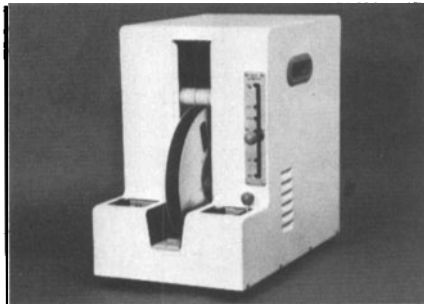


# NEW PRODUCTS

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



VI-1000 magnetic tape eraser, Shinko Electric Co. Ltd.

The VI-1000 magnetic tape eraser has been developed by Shinko Electric Co. Ltd., 11-2, 4-chome, Soto-Kanda Chiyoda-ku, Tokyo 101, Japan. A reel of tape (either 1-in. or 2-in.) rotates between two magnetic cores. The machine can erase both sides of the tape in one operation. A 14-in. reel can be completely erased in 30 sec.

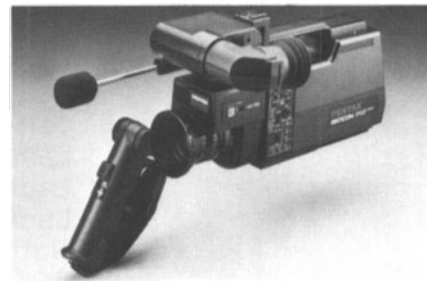
Visual monitoring of the procedure is possible because the tape is in sight of the operator. A safety mechanism stops the operation when the temperature of the tape reaches 80°C. The operation automatically resumes after the temperature drops to 45°C.



HDTV camera system, Ikegami Electronics (USA) Inc.

A high-definition color TV (HDTV) camera system developed by Ikegami for NHK (Japan Broadcasting Corp.) has been announced by Ikegami Electronics (USA)

Inc., 37 Brook Ave., Maywood, NJ 07607. The camera employs three 1-in. diode-gun impregnated-cathode Saticons® with pin-lead construction. The camera provides high resolution of 1400 TV lines, or better, at the picture center; low lag characteristics; a negligible amount of shading over the entire picture area; and 44 dB SNR over the entire 30-MHz bandwidth. In order to achieve the required high registration accuracy of 0.025% over the entire viewing area, the camera employs a special digital registration correction circuit. System parameters include 1125 scanning lines per frame; 2:1 interlace ratio; 60-Hz field frequency; 5:3 aspect ratio; and 30-MHz video signal bandwidth.



Color video camera, Pentax

A color video camera using a 1/2-in. Saticon tube which can record in light as low as 10 lux, with optimum picture clarity at 30 lux or above, has been announced by Pentax Corp., 35 Inverness Dr. East, Englewood,

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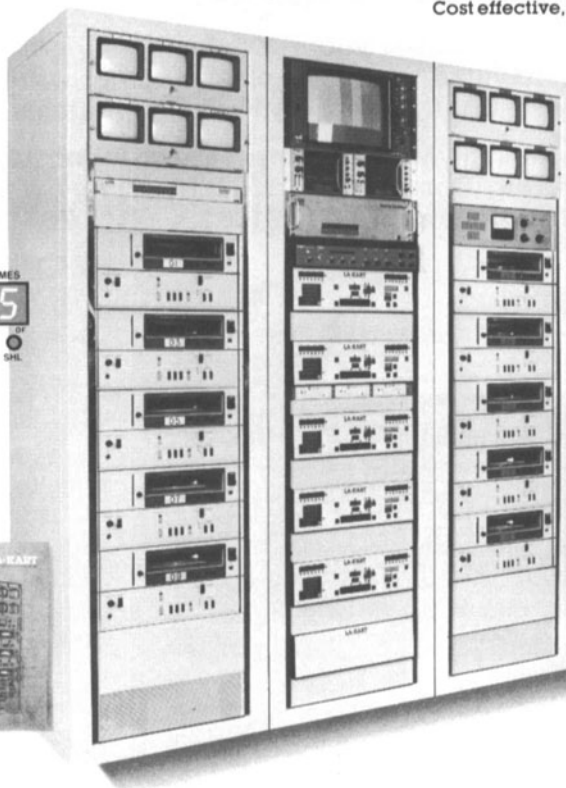
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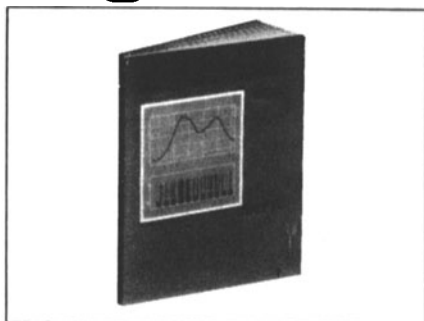
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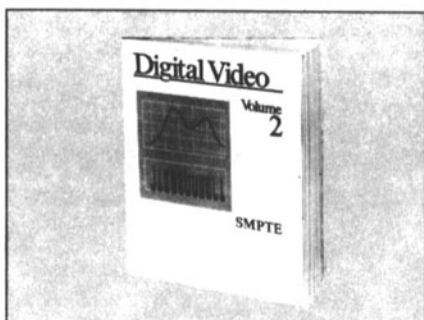
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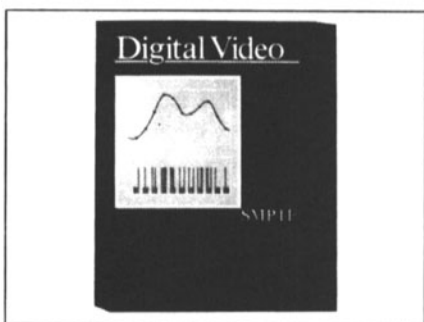
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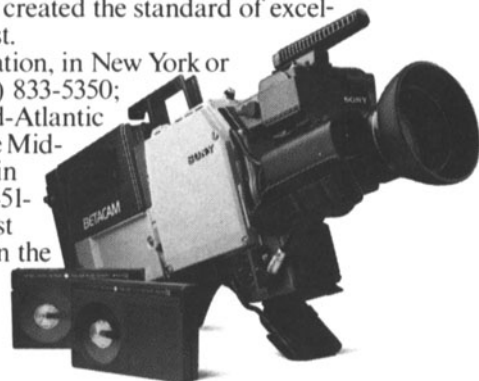
We believe Betacam is outselling all the others by such a wide margin because it's better than all the others by such a wide margin. It's the only camera/recorder that focuses on the big picture. A picture that includes your existing investment;

your need for both ENG and EFP; your desire for light weight and high quality; and a total system approach.

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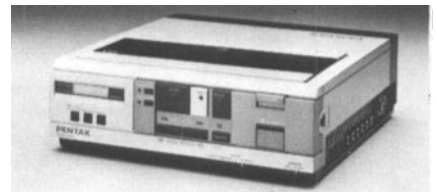
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PV-R1000A VCR, Pentax

CO 801112. Also announced was the PV-R1000A videocassette recorder featuring a five-head design. When used in conjunction with the VCR, the camera offers a number of features including a checklist visible in the 1-in. electronic viewfinder before taping begins. The readout tells the user whether or not the battery power is sufficient, whether there is enough light, if the indoor or outdoor filter is in place, and if the white balance has been set. By pressing the record button on the camera, the VCR's record, play, and pause controls are activated.

Most of the VCR functions can be controlled from the camera, including rewind and fast forward, forward and reverse visual search, record, play, slow motion, and still/pause. There is also an instant review function which rewinds the tape and plays back the last 2 sec of recording. The camera can be set for automatic focusing, or for manual focus if the operator is shooting a subject at a fixed distance.



Computer-controlled videotape system, Forox Corp.

A computer-controlled videotape animation system has been announced by Forox Corp., 393 West Ave., Stamford, CT 06902. The heart of the system is a proprietary electronic video controller which, via a dedicated video program, instructs the video and motion control components when and how to operate. The program functions allow for monitored display of four axes' moves, editing of single or multiple scenes and frames, automatic search and cue, and remote video recorder control. The system includes a copy stand, control console, motorized animation compound, video camera, color monitor, VCR, and the SSA 800 computer controller.

An underwater color television system that can operate at depths to 1000 ft has been announced by Marine Optical Systems Inc., 25 Sylvan Rd. South, Westport, CT 06880. The camera is equipped with twin 300-W halogen lamps and pistol grips. It

weighs 18 lb on the surface and 8.8 oz in sea water. Housed within its waterproof aluminum or optional stainless steel case, the camera uses a modified broadcast-quality  $\frac{2}{3}$ -in. format color camera equipped with an ultra-wide-angle 8-mm fixed focus, auto-iris lens.

Specifications include better than a 52 dB SNR and a sensitivity of 1400 lx at  $f/4$ . The camera can operate in ambient temperatures from  $-20^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$ . The camera is part of a system, called MOS 1000F that includes a camera control unit, color monitor, and carrying cases. For diver operation, the camera is supplied with 330 ft of cable. For robot submersibles, up to 1000 ft of cable can be used.



*B-16 recorder/reproducer, Fostex Corp.*

The Fostex B-16, a 16-track recorder/reproducer using  $\frac{1}{2}$ -in. tape has been announced by Fostex Corp. of America, 15431 Blackburn Ave., Norwalk, CA 90650. It is 17 in. wide, 17 in. high and 9 in. deep. It weighs 66 lb. The B-16 has SMPTE interlock capability. Of modular design, options include +4 dBm XLR inputs/outputs, dbx noise reduction, and off-the-tape monitoring.



*Television camera platform, ESPN*

A television camera platform for use on a hydraulic lift, a product of JLG Industries Inc., has been developed by Williams Crane & Rigging Inc., and ESPN, ESPN Plaza, Bristol, CT 06010. A circular plat-

*SMPTE Journal, December 1983*

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form 7 ft in diameter is rigidly attached to the end of a JLG aerial work platform, which permits the camera to be extended 60 ft above and away from the lift base. A handrail, 42 in. high, on the perimeter of half of the platform, is built on a track that allows the camera and the operator to revolve 360°. The camera is mounted in the center of the platform with the camera operator effectively restricted to the cage occupying half of the surface area. Movement of the platform and boom is controlled from the platform itself.

**The Model 390 component video switcher and editor interface** has been developed by Shintron Company, Inc., in conjunction with WNEV-TV-7, Boston. The device was designed to allow M format and Betacam tapes to receive editing, enhancement, effects, and post-production techniques normally performed on regular encoded NTSC materials. Model 390 is a triplicated production/post-production switcher with a built-in tandem (2 X Z80) microprocessor-controlled command system. The microprocessor communicates with the editor of the user's choice, decodes instructions, and selects operational switches. The on-board intelligence, in addition to the standard operational functions, is expandable to accommodate handling of both SMPTE and in-house time codes.



*SP-3 CCD camera, NEC America Inc.*

**A 3-chip CCD color camera, the SP-3 with universal tape interface** has been announced by NEC America Inc., 130 Martin Lane, Elk Grove Village, IL 60007. Designed especially for ENG and other field applications, the camera interfaces directly with 1/2-in. Beta and M-formats as well as with 3/4-in. U-matic tape formats. An optional 1/2-in. VTR may be attached to the back of the camera to provide a camera-VTR combined ENG system. A special 2/3-in. charge-coupled device — a high-resolution interline CCD image sensor with 768 X 490 pixels — was developed by NEC especially for use in solid-state broadcast-quality TV cameras. The SP-3 features three of these solid-state image

sensors, two for the Green channel alone, and one for the combined Red/Blue channel. The dual Green system provides higher resolution and sensitivity than can be obtained from a conventional RGB system. The solid-state operational characteristics provide accurate and permanent registration free from geometric distortion.



*Model CT01930V monitor/receiver, Panasonic*

**A 19-in. color video monitor/receiver, Model CT-1930V**, featuring a 12-channel pre-settable tuner, has been announced by Panasonic, One Panasonic Way, Secaucus, NJ 07094. Scan size is switchable between full and over. Input is switchable between

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TV, Line, and VTR. Impedance is switchable between 75 ohms and Hi-Z for line input. Model CT-1930V measures 19 1/4 x 20 7/8 x 19 1/4 in. and weighs 61.6 lb.

Also announced were two 13-in. color video monitors, Models CT-1330V and CT-1330M, both featuring switchable scan size and computer display applications. The CT-1330V has been designed for computer display applications. Other features include audio and video TV output and monitor output through BNC- and RCA-type connectors.

The CT-1330M is designed to meet the basic needs of any professional color video studio. It can also handle a new array of computer display applications.

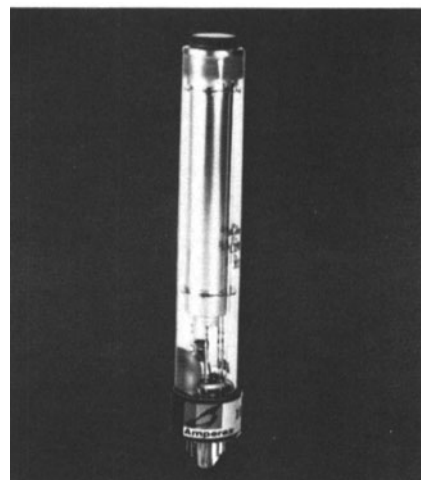
Two new color video monitors, 19-in. and 25-in. diagonal, have been announced by Zenith Radio Corp., 1000 Milwaukee Ave., Glenview, IL 60025. The 25-in. monitor offers up to 450 lines of horizontal resolution, and the 19-in. monitor up to 425 lines. Direct audio and video input jacks allow simple connection of auxiliary components. Direct RGB inputs provide high resolution with increased character display — 80 characters per line — for computer and teletext applications. Both monitors feature Zenith's color control system, called Advanced Color Sentry,



Video Hi-Tech 19-in. color video monitor, Zenith Radio Corp.

which combines six picture and color control subsystems. The monitors are equipped with a front-mounted audio speaker.

Two new 1 1/4-in. Plumbicon® red camera tubes for studio cameras, which have an extended red layer to reduce burn-in, have been announced by Amperex Electronic Corp., Slatersville, RI 02876. The new camera tubes are said to have excellent lag, sensitivity, and resolution characteristics. The advanced extended red photoconductive layer technology was made possible by a proprietary deposition process. This process incorporates precise amounts of trace elements in the lead oxide red layer to modify trapping states, thus virtually



Plumbicon red camera tube, Amperex Electronic Corp.

eliminating long-term retention in the photoconductor. Amperex is a wholly owned subsidiary of North American Philips Co.

The ImageConverter™ system which utilizes four-field full bandwidth RGB processing has been announced by Image Transform Inc., 4142 Lankershim Blvd., North Hollywood, CA 91602. Features include a temporal filtering system programmed to accommodate all existing

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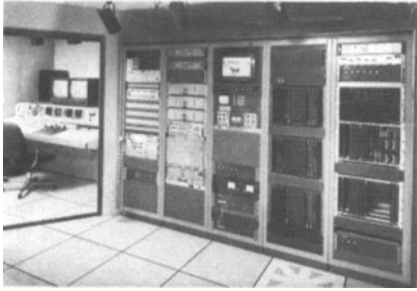
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ImageConverter system, Image Transform Inc.

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The FBN-9000E series (10-, 20-, and 40-kW models) VHF FM transmitters has been announced by NEC America Inc., Broadcast Equipment Div., 130 Martin Lane, Elk Grove Village, IL 60007. Compact, and of simplified design, only one air-cooled vacuum tube is used as a final power amplifier in both the 10- and 20-kw FM transmitters. Two vacuum tubes are used in the 40-kw model. The power amplifier features a highly stable cavity designed to eliminate complex tuning and local oscillation. The long-life vacuum tube reduces replacement costs to a minimum. Tube circuit adjustment is required only when the tube is replaced. All other components are maintenance-free.

The transmitters operate in a frequency band of 87.5–108 MHz, programmable in 50-kHz steps, featuring a new FM exciter employing a frequency-synthesized PLL system that facilitates frequency change without requiring any other component.

The TVL-800-6F ENG microwave link system has been announced by the Broadcast Equipment Div., NEC America Inc., 130 Martin Lane, Elk Grove Village, IL 60007. In its basic configuration the system consists of one transmitter and one receiver. Options include 0.3-m and 0.5-m dishes, 5-W power amplifier, plane an-



TVL-800-6F ENG microwave link system, NEC America Inc.

tenna, pan head and tripods, battery power packs and dc cables. Features include high power output, 1-W, standard, up to a range of 30 miles. The transmitter and receiver each weigh approximately 4.4 lb. It can be used for ENG applications in difficult locations, even in inclement weather conditions, in a temperature range of  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  with relative humidity up to 95%. The system provides excellent frequency stability and easy selection of more than 10 switchable channels in the 7-GHz band.

A broadband, multichannel fiber optic transmission system, model 1400, has been announced by Quante Corp., 3350 Scott Blvd., Bldg. 15, Santa Clara, CA 95051.

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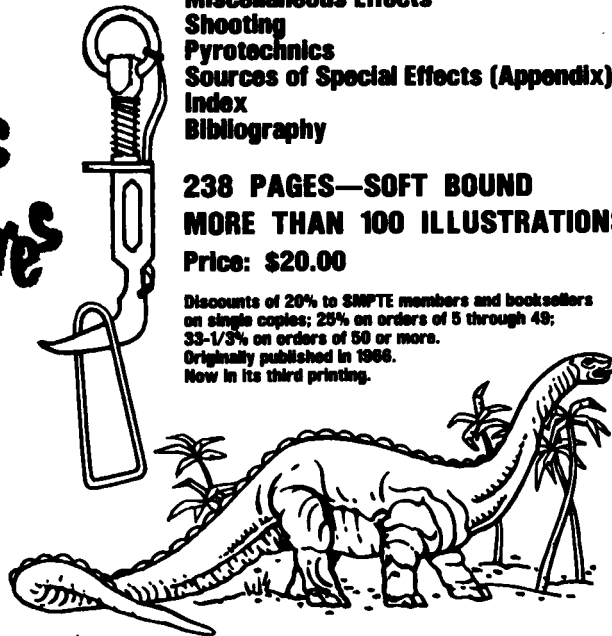
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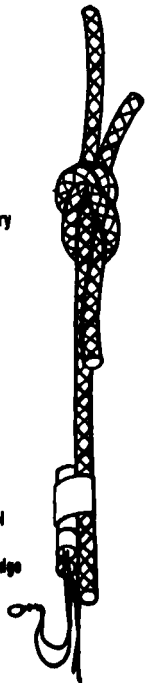
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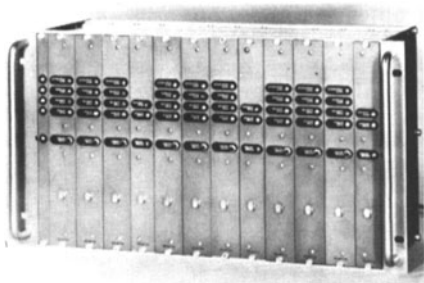


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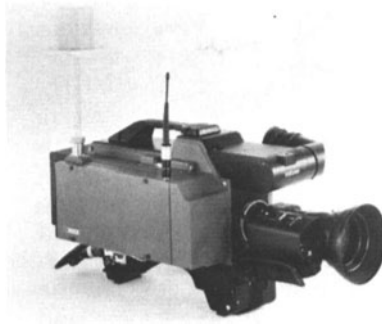


Fiber optic transmission system, model 1400, Quante Corp.

Incorporating the 1401 optical transmitter, the 1402 optical receiver, and models 1504-09 and 1504-10 powerframe/optical multiplexer and demultiplexer, the modular system transmits up to four 140-Mbit/sec channels on a single fiber. Video transmission up to 8.5 km is possible without requiring a repeater, and BER at maximum repeater length is  $10^{-9}$ .

The optical transmitter features a wavelength- and intensity-stabilized diode laser operating at a conservative output rating. A digital scrambler provides proper line coding as well as necessary drive and protective circuits for the laser diode. The optical receiver features a wavelength selective detector employing an avalanche

photodiode followed by a broadband amplifier with automatic gain control (AGC).



Microwave link on HL-79E camera, Ikegami Electronics (USA) Inc.

A portable video-audio microwave transmitting/receiving system, the ML-83/79, that can be easily attached to the HL-79, and the HL-83 ENG cameras, has been announced by Ikegami Electronics (USA) Inc., 37 Brook Ave., Maywood, NJ 07607. The ML-83/79 permits a TV camera to be used in crowded areas or in situations where cables cannot be employed. The microwave link can be used both indoors and outdoors. The transmitting antenna at

the camera is equipped with an automatic homing mechanism that keeps the antenna directed to the base-station antenna, thus preventing ghosting due to multipath effects. The system provides up to seven different channels to allow different cameras to broadcast from the same area. Each camera can function up to 1500 m (nearly a mile) from the base-station antenna.

The ML-83/79 features bidirectional operation. The video and audio signals are multiplexed and transmitted directly from the camera transmitter and antenna on the 2-GHz frequency band. Frequency response is 40 Hz to 4.5 MHz  $\pm 1$  dB for video and 50 Hz to 12 kHz for audio.

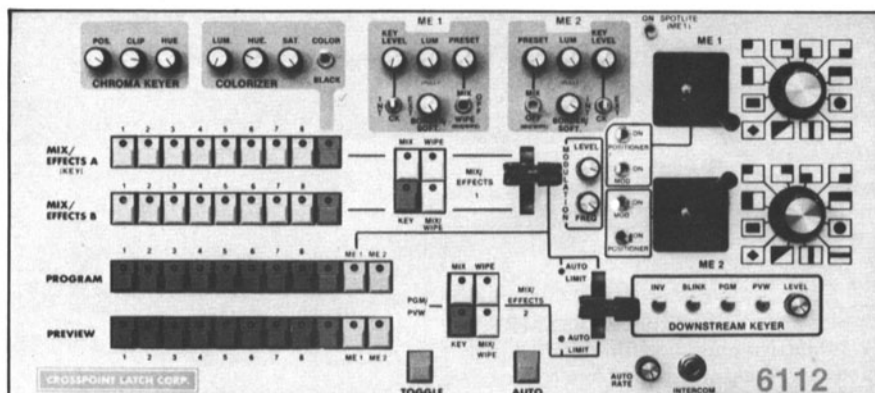


SMPTE/EBU time-code reader, TCR 1, Audio + Design Recording Inc.

The TCR 1, a portable SMPTE/EBU time-code reader and re-generator, has been announced by Audio + Design Re-

## THE 6112 IS BOTH A PRODUCTION AND A POST-PRODUCTION SWITCHER

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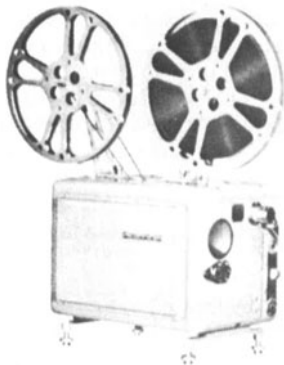
Audio follow or split audio capability is provided by the 6800 mixer which has separate level controls for each stereo input. The 6803 can be driven either directly by the editor or via the 6403 interface unit.

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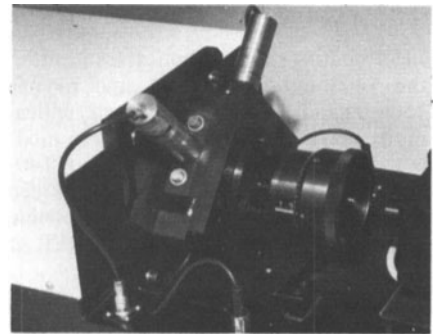
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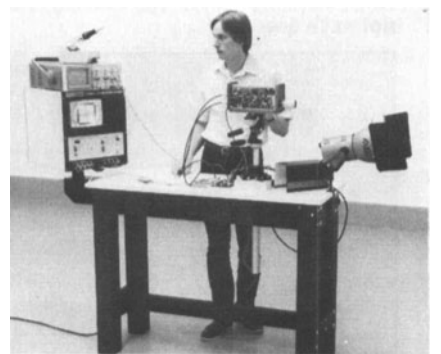
As one who has chosen to belong to SMPTE, you are aware of the benefits of SMPTE membership. Among these benefits are the prestige of being associated with the world's premier professional organization in the fields of motion pictures and television, the monthly *SMPTE Journal*, the local section meetings, and the annual conferences and equipment exhibits. If you know someone who meets SMPTE's requirements, you can offer to sponsor him or her for membership. This is the best way to help strengthen the Society and point someone toward increased professional growth. Applications are available from SMPTE Membership Dept., 862 Scarsdale Ave., Scarsdale, NY 10583.

cording Inc., P.O. Box 786, Bremerton, WA 98310. The device can operate for up to 2000 hours from one set of internal batteries, and can read time code from serial time-code outputs. At the flick of a switch, the unit can display "user bit" code. Drop-frame and color-frame are indicated below the frame-count digits. The LCD display may be illuminated for 20 sec by pressing the illumination button. When the TCR-1 is ac-powered, the LCD display will be continuously illuminated.



*Optical fiber test set, Boston Electronics Corp.*

An optical fiber refractive index test set has been announced by Boston Electronics Corp., 72 Kent St., Brookline, MA 02146. The index test set makes it possible to measure the variation of refractive index across an optical fiber in 500-Å spatial increments to a precision of better than 0.0001%. Both multimode and single mode fibers can be measured. In addition to refractive index profiles, the equipment also measures numerical aperture, core-to-clad concentricity, and ellipticity. The design is based on a technique devised by British Telcom.



*Camera calibration system, Visual Information Institute*

A camera calibration system, a test system including test charts, test generator, camera stand, TV display and oscilloscope, has been announced by Visual Information Institute Inc., P.O. Box 33, 719 Lower Bellbrook Rd., Xenia, OH 45385-0033. Test stand equipment includes tripod head, cabling and power, floodlight, instrument pod with 300° swivel (including test generator), 9-in. display and coax cables, plus a Tektronix oscilloscope.

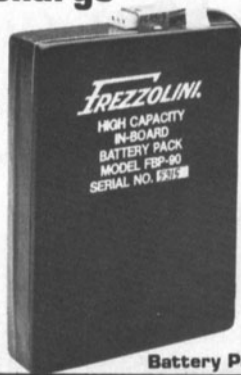
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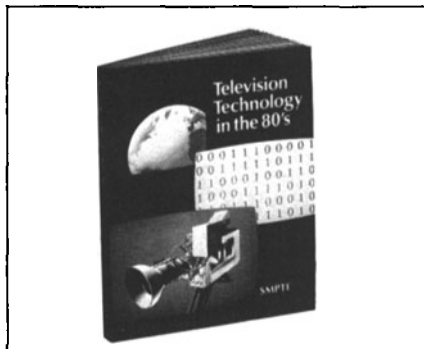
SMPTE has a full line of test materials for television and motion pictures. The SMPTE has monochrome TV test patterns, color TV subjective reference films and slides, photographic sound test films, magnetic sound test films, and a complete range of projector performance films. Most TV films are available in 35mm, 16mm and in 8 X 10-inch and 2 X 2-inch transparencies. The sound films are available in 35mm and 16mm (the magnetic sound films are also available in super 8), and the projector performance films are available in 35mm, 16mm, super 8 and regular 8, depending upon the film type. Films are in stock for immediate shipment. All films are guaranteed.

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As television technology continues to rapidly improve and develop, keeping informed on these revolutionary changes becomes not only important, but essential.

SMPTE's new book **Television Technology in the 80's** spotlights some of the major technological developments that are bound to affect everyone in television broadcasting. This book touches on almost every area of television's developing technology: **digital video recording, digital techniques, the all-digital studio, new camera technology, and high definition television.** This book is crammed full of the most up-to-date information taken from the presentations of the SMPTE Annual TV Conference held in San Francisco, Feb. 6-7, 1981.

Contributors to this book are acknowledged to be the leading

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experts in their areas of interest. Take a look at the contents on this page and you will see why this book is one that everyone who has even the slightest interest in

television will want for his or her personal or company library. Order your copy today.  
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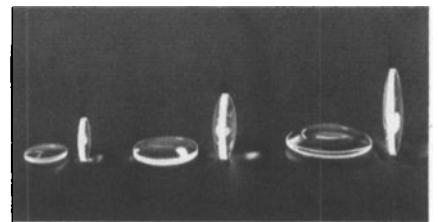
Servo focus accessory for 15 X 9 zoom lenses, Angenieux

A new series of TV broadcast lenses and accessories has been announced by Angenieux Inc., 12901 S.W. 74 St., Miami, FL 33183. Included are the 15 X 13 HP and 15 X 17 HP (high performance) for cameras with 1-in. and 1 1/4-in. tubes.

New 15 X 9 and 25 X 10 zooms with built-in range extenders and diascope are designed for Ampex BCC20/21, RCA TKP 47, and other cameras, with 2/3-in. tubes, that use diascope lenses. Both lenses feature improved optical performance and are available with or without diascope.

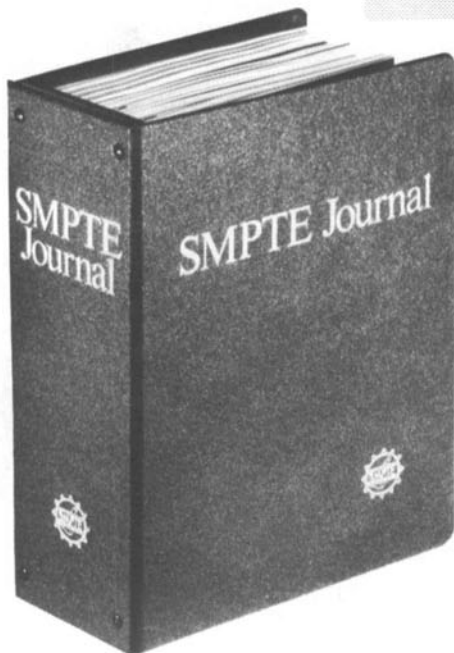
The improved 42X continuous zoom lens utilizes new sophisticated glass formulations for high chromatic aberration correction.

A new servo zoom focus control accessory for the 15 X 9 was developed for EFP cameras.



Lenses for laser applications, Optics for Research Inc.

Diffraction-limited lenses for laser applications are available from Optics for Research Inc., Box 82, Caldwell NJ 07006. The lenses are designed for such applications as focusing and collimating. The laser lenses manufactured by the firm are produced in IR silica, calcium fluoride, water-proofed sodium chloride, germanium, and zinc selenide.



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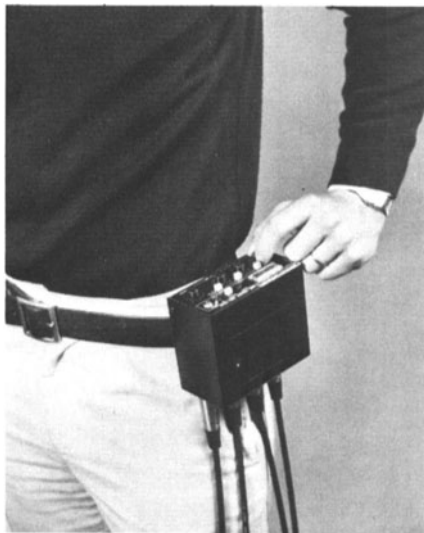
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Portable mixing console, model SX-S, Sonosax

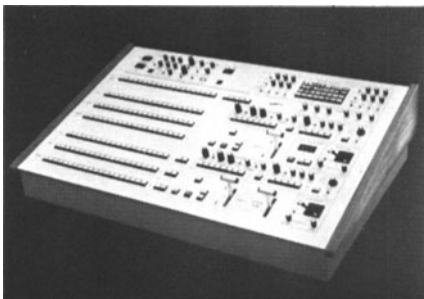
SMPTE Journal, December 1983

A portable mixing console, model SX-S, has been announced by Sonosax, Ch. du Croset 9, CH-1024 Ecublens/Lausanne, Switzerland. The console can be used with batteries, accumulators, or an external power supply. The 8-input version weighs 7.4 kg. The console is also available with the Dolby System A incorporated. This version, used together with a Nagra, or Stellavox tape recorder can provide results close to PCM.



Portable microphone mixer, Comprehensive Video Supply Corp.

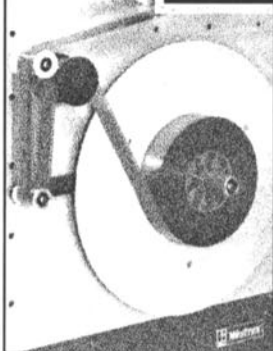
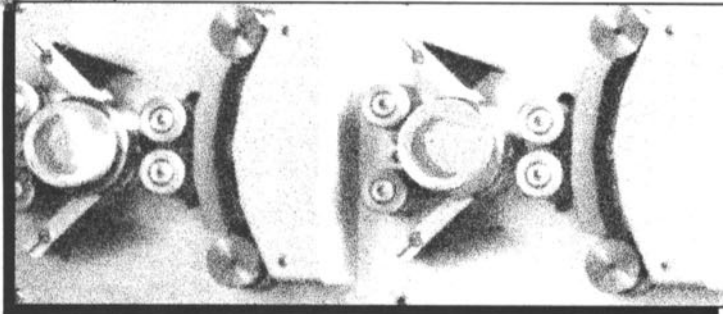
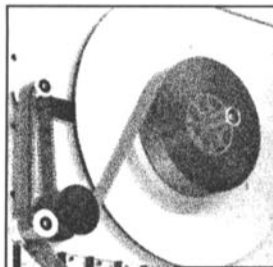
A portable microphone mixer, the MX-1002, weighing 2 lb 6 oz, has been announced by Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647. The mixer measures  $2\frac{3}{8} \times 4\frac{1}{16} \times 4\frac{5}{16}$  in. The small size and weight provide maneuverability. A 3-channel mixer, it contains a VU meter and headphone monitor jack. Designed for ENG and remote production applications, it can be clipped onto a belt. Powered by three 9-V batteries, the MX-1002 provides three balanced low-impedance inputs with phantom powering provisions, and individual and master gain controls.



Video production switcher, model RVS-517, Ross Video Ltd.

A video production switcher, model RVS 517, available with either 12 or 20 inputs, has been announced by Ross Video Ltd.,

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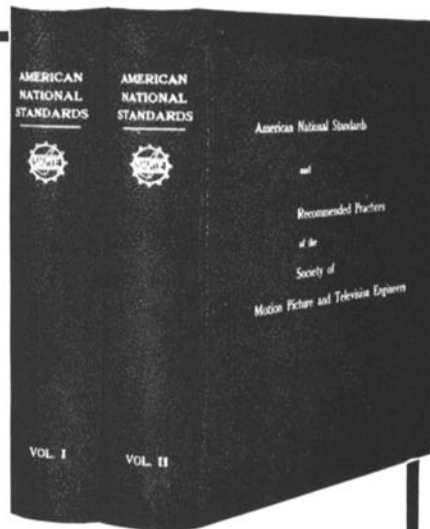
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P.O. Box 220, 9 Plaza Dr., Iroquois, Ont., Canada K0E 1K0. The 517 has two completely independent multi-level effects units, each of which can manipulate up to four video sources. A number of options are available including a chroma keyer, interfaces for computer editors, and a scene store memory system.

**PhotoSense™**, a system for automatically monitoring and controlling film processing temperatures, has been announced by Houston Fearless 76 Inc., 833 East Walnut St., Carson, CA 90746. A solid-state, early warning system, it is now available on Labmaster II and Colormaster II proces-



*PhotoSense temperature controller, Houston Fearless 76 Inc.*

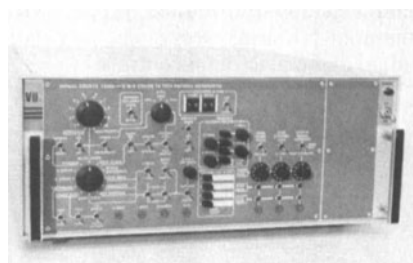
sors. Upper and lower temperature limits can be programmed into PhotoSense for

each processor tank being monitored. The system continually scans each critical temperature channel and instantly alerts the operator with both audible and visible alarms if any out-of-tolerance conditions occur. In addition to giving instant visibility to which channel is out of tolerance, PhotoSense also shows the operator whether upper or lower limits have been exceeded and by exactly how many degrees.



*Film cleaning machine, Peterson Enterprises*

**The full immersion rotary buffer film cleaning machine** developed by Peterson Enterprises, 1840 Pickwick, Glenview, IL 60025, in collaboration with Allied Film & Video, employs a submerged rotary buffer that buffs the film clean while totally submerged in conventional solvent. An aquarium window enables the operator to monitor the cleaning action while the machine is running. In addition to improved cleaning effectiveness, the machine runs at speeds up to 180 ft/min and uses minimum amounts of solvent.

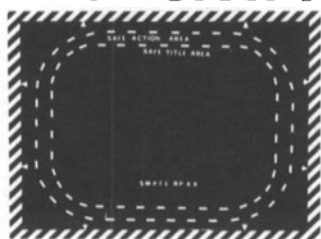


*Signal source 1204A test pattern generator, Visual Information Institute Inc.*

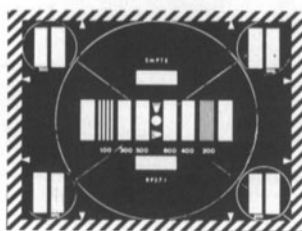
**Signal Source 1204A, an RGB color TV test pattern generator** for performance analysis of both color and monochrome TV equipment, has been announced by Visual Information Institute Inc., P.O. Box 33, Xenia, OH 45385-0033. The device provides a selection of TV display test patterns with additional features, such as clocked H bars; bounce in conjunction with bars for

# SMPTE

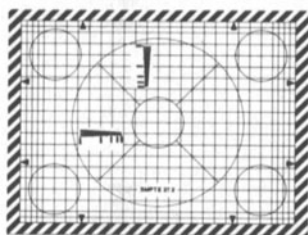
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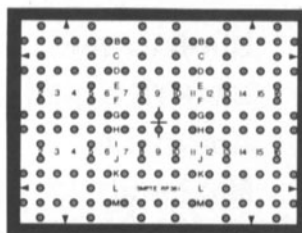
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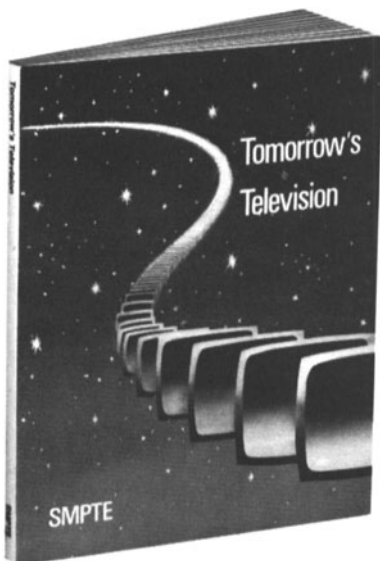
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The thrust of new television technological developments has branched out in many directions. Not only has technology progressed in digital television, but there has been major progress in other areas such as television audio, high-definition television, and broadcast automation.

Now SMPTE is publishing a new book that brings you the latest information on television's most significant technological developments that are bound to affect television for years to come. Because the subjects of this book will have such an impact on the future of television, the book has been aptly titled **Tomorrow's Television**.

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Management of Audio Samples in Digital Television Recording, E. Stanley Busby, Jr., <i>Ampex Corp., Redwood City, California.</i>	A Compatible High Fidelity Television Standard for Satellite Broadcasting, T. S. Robson, <i>Independent Broadcasting Authority, Winchester, England.</i>
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A Serial Communications Architecture for Real-Time Digital Control, Robert Steele, Graeme Little, William Russell, <i>Ampex Corp., Redwood City, California.</i>	Panel Discussion on Multichannel Television Audio. Moderator: Thomas B. Keller, <i>National Association of Broadcasters.</i> Panelists: Yoshiaki Inamoto, <i>NHK (Japan Broadcasting Corp.);</i> Martin A. Lilley, <i>Ampex Corp.;</i> Bernard Lechner, <i>RCA Laboratories;</i> Alastair Heaslett, <i>Ampex Corp.;</i> Marc Repp, <i>Opryland Productions;</i> Larry Oaker, <i>WTTN, Chicago;</i> David Harrison, <i>Harrison Systems.</i>

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evaluation of high voltage capability; split or full centering pattern; and front panel adjustment of sync and blanking levels. Four preset calibration modes are included for instant selection of scan rate. The instrument may be integrated into an existing television system with external synchronizing inputs.



Frezzi Mini-Fill camera light, Frezzolini Electronics Inc.

The Frezzi™ Mini-Fill, a 75-W, 12-V camera light, has been announced by Frezzolini Electronics Inc., 7 Valley St., Hawthorne, NJ 07506. The light head has a tungsten-halogen 3200°K bulb mounted in a brilliant reflector. It provides approximately 40 minutes of intense light per charge using a Frezzi battery. It can be attached to video and cine cameras, tripods, or hand grips. The head can tilt up or down while remaining securely locked in position with a triple-wing knob. The system includes a battery and charger. Options are available.

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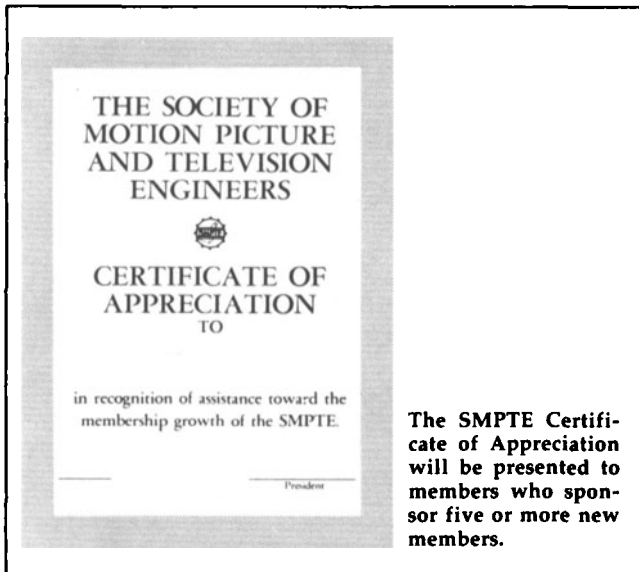
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# How to Help Your Friends, The SMPTE, and Yourself.

*The SMPTE is continuing its drive for new members. You can help your qualified friends or colleagues by sponsoring them for SMPTE membership thereby contributing to their professional growth and the Society's strength. For sponsoring five new members, the SMPTE will present you with a special certificate of appreciation suitable for framing. For sponsoring 15 new members, the Society will present you with an engraved plaque of recognition.*

There are many qualified people who should belong to the SMPTE. More than likely you know some of them. A good friend, perhaps, who works in television or motion pictures like you do. Or maybe a colleague in the office or plant who you think may have the qualifications for SMPTE membership.

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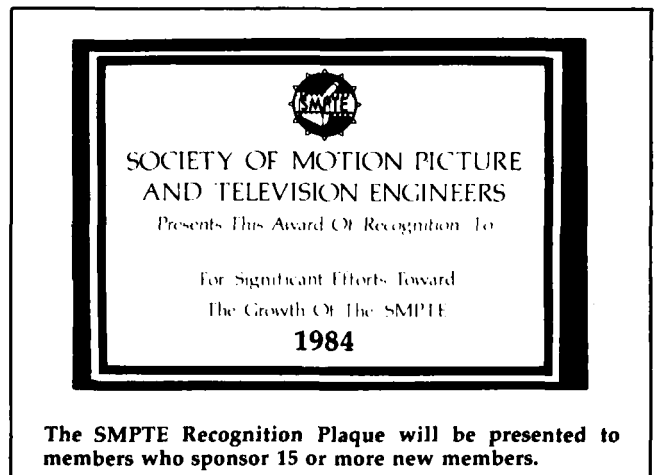
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The Society's future has a lot to do with who joins the SMPTE now. Every organization needs a constant infusion of "new blood" to give it vitality and strength. A stronger SMPTE means stronger television and motion-picture industries. To the individual, it provides a chance for increased professional growth.

We believe our own members are the best qualified to bring in new members. After all, you know the value of membership best of all. The *Journal*. The Conferences. The Local Section Meetings. The increased feeling of professionalism.

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