

Memo to Members:

Have you signed up a new member lately? 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.
595 W. Hartsdale Avenue
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Books, Booklets, Brochures

Satellite Communications gives an overview of satellite technology, equipment, and services. Written by Stan Prentiss, a former NASA satellite engineer, the book presents detailed information on satellites in orbit and under construction, television receive-only earth stations (TVROs), scrambling devices, and satellite security considerations. Also examined in the 314-page second edition are some of the latest satellite communications developments, such as Video Cipher® I, II, and B-MAC scrambling techniques; the RCA Corp. Ku-band satellites; and Western Union's Integrated Landline-Satellite Wideband Transmission Network. *Satellite Communications*, which contains up-to-date nomograph charts and over 150 illustrations, is available from Tab Books Inc., P.O. Box 40, Blue Ridge Summit, PA 17214. It can be purchased in paperback (for \$16.95) or in hardbound (for \$21.95).

Also announced by Tab Books is *The Camcorder Handbook*. The book offers a wide range of important information, from a listing of commonly-used terms to detailed camcorder operating instructions. Discussed in *The Camcorder Handbook* are the differences among 8mm, VHS-C, Beta, and full-size VHS camcorder models; maintenance tips; and information on manufacturers and suppliers. In the handbook, author Gerald V. Quinn gives the first-time camcorder buyer advice as to how to make a good selection, and the experienced operator advice regarding the correct uses of light and sound. The book, which contains 320 pages and 139 illustrations, can be purchased in paperback (for \$11.60) or in hardbound (for \$18.95). Additional information is available from Tab Books Inc., at the address given above.

Handbook for Sound Engineers: The New Audio Cyclopedia provides topical information on audio technology. The book, which contains 31 chapters and more than 1200 pages, covers a comprehensive range of subjects. Featured is reference material on recording studio design, acoustic devices, recording and playback equipment, electronic circuits, and audio measurement. The handbook, which retails for \$79.95, is available from Howard W. Sams & Co., 4300 W. 62nd St., Indianapolis, IN 46268.

Circuit Design for Electronic Instrumentation presents useful information on the devices and techniques relative to the electronic design process. Covered by author

HOW THE SK-110D PUTS AN END TO THE REIGN OF ERROR.

With the SK-110D, Hitachi has created a studio broadcast camera with microprocessor technology so accurate that registration errors and time-consuming setup are things of the past.

Using a single button, now you can automatically set up RGB, color balance, and analog and digital registration—along with complete fault diagnosis—for up to 42 cameras simultaneously in just two minutes. And while you're shooting, the SK-110D keeps correcting realtime zoom and focusing errors, as well as registration changes caused by fluctuating prism temperatures.

The SK-110D performs magnificently.

Here's why: The 30-mm LOC diode gun Plumbicons and electronics yield 750 lines horizontal resolution, and greater than -56dB S/N. Dynamic focus provides for superb corner resolution. And detail signals are generated from both red and green.

The SK-110D is also today's most technologically advanced and versatile camera system. It offers iris and auto-setup by external chart. It has a high-resolution viewfinder with electronic markers.

The battery-backed head and CCU store up to four full-function files, eight lens files and 64 scene files. And add a smart RCU that controls those files, and you've got a camera that can precisely remember the "look" of every production shot you'll take.

Put an end to the reign of error in your studio today. And usher in a new era of image quality with the Hitachi SK-110D. For a demonstration in your studio contact Hitachi Denshi America Ltd., Broadcast and Professional

Division, 175 Crossways
Park West, Woodbury,
NY 11797; (516) 921-7200
or (800) 645-7510. Canada:

Hitachi Denshi, Ltd.
(Canada), 65 Melford Drive,
Scarborough, Ontario M1B 2G6;
(416) 299-5900.

 **HITACHI**



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SMPTE (Booth 1202)

THE FUTURE IN FILM-TO-TAPE TRANSFERS IS HERE!

The Steadi-Film System is a pin-registered gate, precision retrofitted to your Rank Cintel Mark III, with a microprocessor ...creating rock steady film-to-tape transfers. The elimination of film weave allows, for the first time, the marriage of film, tape and computer graphics in perfect registry. In addition, the system's micro-processor converts your telecine into a video/optical printer, making it possible to reverse print...skip print...record every frame...every tenth frame...or any permutation you want.

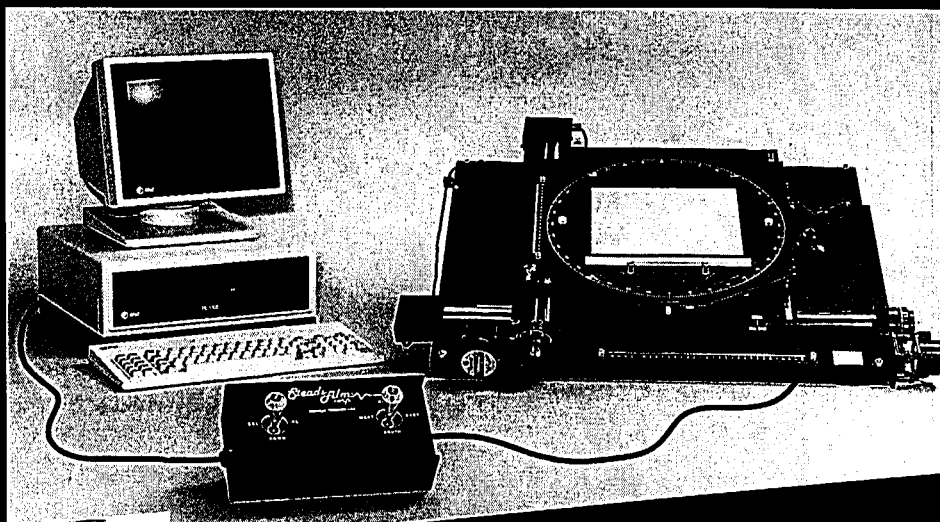
The Steadi-Film System interfaces with single-frame video recorders (Ampex VPR-III and Sony BVH-2500) and digital disc recorders (Abekas A-62/64 and Harry), along with your color grading system.

6 1 5 0 9 2 9 0 2 0 7 8

707 EIGHTEENTH AVE. SOUTH, NASHVILLE TN 37203 U.S.A. TELEX 62-010799 FAX 615 327-0437

NEW PRODUCTS

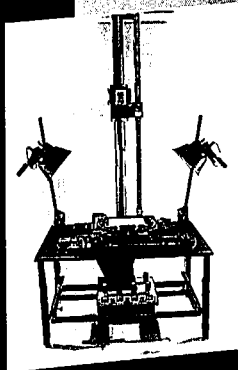
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- Large Buffer Size
- On-Line Help
- Limit Switchers
(Software Sensed)
- Record Single Axis
- Menu Selection
- Dependability
- Many Other Features

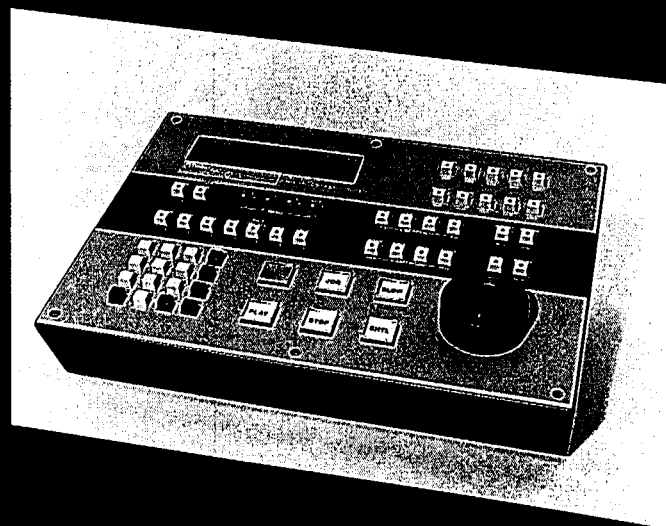


ANIMATION CONTROLLER INTERFACE

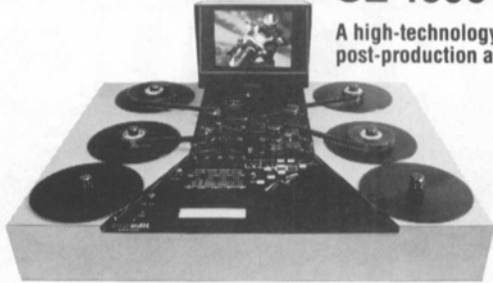
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FEATURES:

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- Integrated Time Code Computer
- Luminous Intelligent Display
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RS232
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- Remote Control for Presentation (optional)
- 110V-220V Power Supply
- Many Other Features



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H4S 1E9 or telephone: (514) 334-1449

NEW!

SPECTRA

CineSpot™

**FOR MEASURING 1° SPOTMETER
SCREEN BRIGHTNESS**

The new, economical, compact CineSpot 1° Spotmeter from SPECTRA CINE has been designed for easy use and for making simple yet accurate screen brightness measurements and other field measurements. The CineSpot features eye-level, magnified, thru-the-lens viewing of the 1-degree spot area in a large (21-degree diagonal) rectangular viewing field, with simultaneous display of the meter reading superimposed in the viewing field.

For accuracy, each individually calibrated instrument uses an ultra-stable silicon photodetector, together with computer-selected glass filters to match the spectral response of the human eye. Readability of the CineSpot extends from 0.5 to 300 footLamberts, with excellent resolution in the critical 10 to 30 footLambert region.



MEASURES:

- Screen Brightness and Uniformity
- Contrast Ratios
- Stray Light and Surround Brightness

FOR:

- Movie and Slide Projection Systems
- Television Monitors
- Set Lighting

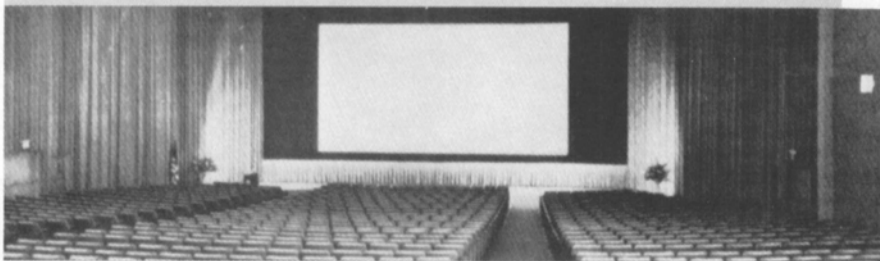


Photo courtesy of SMPTE

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Darold Wobschall in this revised and updated second edition are some of the most recent changes in integrated circuit technology and solutions to common problems in electronic instrumentation design. Subtitled *Analog and Digital Devices From Sensor to Display*, the resource includes both analog and digital circuits and emphasizes the interfacing and interrelation of circuits. The book, which has 377 pages and 365 illustrations, may be ordered from McGraw-Hill Book Co., 11 W. 19th St., New York, NY 10011. The price is \$49.50.

The company has also announced the **National Electrical Code Handbook, 19th ed.**, a practical reference source which examines all the significant changes in the National Electrical Code™. Edited by Joseph F. McPartland, the book describes the new rules instituted in 1987 by the National Fire Protection Agency, including those on closed-loop power distribution systems. The handbook's intent is to interpret and clarify the rules in clear and easy-to-understand language. *National Electrical Handbook* contains more than 1200 pages and 1100 illustrations, and retails for \$42.50. Additional information may be obtained from McGraw-Hill Book Co. at the address given above.

The **1987 Application Volume** has been announced by the Illuminating Engineering Society of North America. Published by the IES primarily for individuals involved in interior and exterior lighting design, the handbook presents information on lighting controls for energy management, roadway lighting design, and lighting power budgets. Also offered are recommendations for lighting spaces with VDT work stations. The material in the *1987 Application Volume* has been gleaned from IES committees and from several lighting-related technical societies. The Illuminating Engineering Society of North America is offering the book to its membership at \$80 per copy; the price to non-members is \$200. Further information may be obtained by contacting the IES at 345 E. 47th St., New York, NY 10017.

Audio Production Techniques for Video presents practical information on how one can achieve a high degree of sound production and reproduction on videotape. Addressing the specific needs of the audio track in videotape production, the book covers the basics of time code and synchronization, methods of electronic editing, post-production equipment, signal processing, and microphones. *Audio Production Techniques for Video*, written by David Miles Huber, an engineer and instructor in professional recording, has 356 pages and is complete with illustrations, a glossary, and bibliography. Further information on the book, which is priced at



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\$39.95, is available from Knowledge Industry Publications, Inc., 701 Westchester Ave., White Plains, NY 10604.

A publication listing salaries for 14 job titles in the field of video production is available from the International Television Association (ITVA), 6311 N. O'Connor Rd., Irving, TX 75039. The information in the 11th annual *ITVA Salary and Compensation Survey* was compiled from the responses to a membership survey conducted by the association. Salaries are listed according to geographic location and organization classification, and by major department and years of experience in corporate television. The book is available to ITVA members free of charge and to non-members for \$30.00. To order, send a written request with payment to ITVA Salary Survey at the address given.

A catalog for engineers involved in the design of broadcast and sound studios and in system configuration has been announced by Canare Cable, Inc. The color catalog gives comprehensive technical data on Canare's Star Quad cable construction theory, with suggestions relative to grounding routines and installation techniques. The publication's 20 pages also

feature detailed specifications on several of Canare's products, including its multi-channel microphone cables, speaker cables, junction boxes, and audio plugs. A free copy of the catalog may be obtained by contacting Canare at 832 N. Victory Blvd., Burbank, CA 91502.

A catalog of motion-picture and video equipment has been announced by Alan Gordon Enterprises, Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078. The products listed in the 240-page catalog include 16 and 35mm cameras, lenses, batteries, editing and animation systems, and camera support hardware. The catalog is available at no charge by writing the company at the address given.

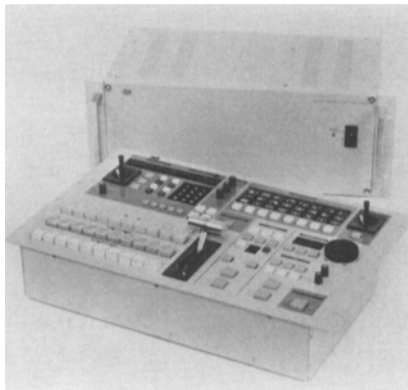
A booklet on the care and handling of magnetic tape is available from Ampex Corp., 401 Broadway, Redwood City, CA 94063. It presents in a non-technical format the do's and don'ts of magnetic tape use and storage. "Allow tape to acclimate itself to tape room environment before using," "Don't stack tape reels horizontally," and "Trim damaged tape ends" are just a few of the tips offered in the Ampex publication. Additional information is available from the company at the address given.

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.

The Series 87 EZ-LINK™ fiber-optic transmission system has been introduced by the Grass Valley Group Inc., P.O. Box 1114, Grass Valley, CA 95945. The system uses both LED and laser transmitters for the distribution of video and audio signals over distances of up to 8 km. EZ-LINK delivers a signal-to-noise performance of 60 dB, and its FM square wave carrier eliminates video distortion. A frequency response of 10 MHz provides compatibility with standard NTSC or PAL baseband video.

A component post-production switcher and a color CCD camera have been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07047. The KM-3000U has eight component video inputs, three of which can be switched to accept RGB signals. The unit features 23 wipe patterns, borders, a chroma keyer, luminance keyer, and color matte generator. The KM-3000U's program buses and



JVC KM-3000U switcher

preset/preview buses provide smooth scene transitions.

JVC's TK-870 camera is for computer graphics applications. It provides RGB video output directly into computer digitizer systems, enabling these systems to accurately reproduce colors. The TK-870's 2/3-in. CCD image sensor ensures that the digitizer receives clear and detailed component signals. Genlock circuitry with H and SC phase adjustment is built into the camera to maintain stable pictures while switching or mixing with other signals locked to the same source.

CMX 100 Distributors Domestic

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Fullerton, CA 92631
714-525-5772

Beers Associates
112 Turnpike, Suite 302
Westboro, MA 01581
617-898-3200

Beers Associates
124 W. 60th Street, Suite 40E
New York, NY 10023
212-247-1505

Midwest Communications
One Sperti Drive
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606-331-8990

Midwest Communications
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Norfolk, VA 23513
804-853-2600

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Irving, TX 75039
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215-879-7000

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301-984-7979

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1061 Feehanville Dr.
Mt. Prospect, IL 60056
312-539-7700

Roscor Corporation
4701 W. Schroeder Drive
Suite 110
Milwaukee, WI 53223
414-357-8000

Roscor Corporation
27260 Haggerty Road
Farmington Hills, MI 48018
313-489-0090

TVA Systems Group
2410 Charleston Road
Mountain View, CA 94043
415-967-6700

TVA Systems Group
401 South Street
Sacramento, CA 95814
916-443-0772

Tele Syn Video Inc.
24 5th Avenue
Ste-Marthe-sur-le-Lac
Quebec, Canada J0N 1P0
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