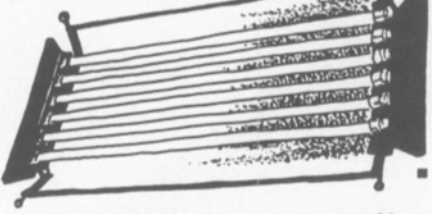


# OUR SEMI-SOFT AND SUPER-SOFT SOURCES HAVE A LUST FOR LIGHT

The VDR-V1000, Total LaserRecorder™, Soft-light & Light-Array



Some are: foldable; stackable; 360° tiltable;



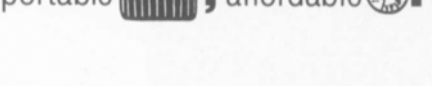
barndoorable; wall-mountable;



brellable; All are: gelable;



clampable; boomable;

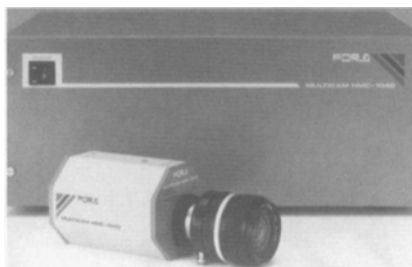


portable; affordable.

## New Products

Further information about these products 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 VDR-V1000 LaserRecorder™**, a new product from Pioneer Communications of America, Inc., 600 E. Crescent Ave., Upper Saddle River, NJ 07458-1827, uses laser technology to change the way broadcast professionals edit, record, and play back. The rewritable videocdisc recorder allows faster access, more accurate editing, and a higher level of media reliability than currently available. It provides near instant nonlinear access and the most precise frame-by-frame editing in a recording device. It is the first device to let producers perform nonlinear editing with absolute accuracy. The system can be used for broadcast/CATV applications such as commercial insertion systems, editing in film and video production, broadcast libraries, instant replay applications, as an output source for closed-circuit broadcast, and for animation. It uses analog component recording to store 57,600 frames/side, or 32 min of full-motion video/side, and eliminates frame jitter and skew problems normally associated with still-frame editing. The magneto-optical media can be recorded up to 1 million times. The product can be used to record audio and video either simultaneously or separately, enabling editors to dub PCM audio onto video. It is more reliable than videotape because with the laser technology the recording head never comes in contact with the recording surface. As a result, degradation and head impact dropouts do not develop.



For.A Corp. high-resolution still image camera

**The HMC-1040 Multicam™** high-resolution still image camera was introduced by For.A Corp. of America, 313 Speen St., Natick, MA 01760. The product produces 720×485 pixel images and interfaces directly to NTSC RGB monitors or to D-1 component systems. It satisfies requirements for producing high-quality still pic-

ture images used in graphics and in still file storage systems such as Quantel's Paint Box and Harriet, as well as systems manufactured by Silicon Graphics and Digital F/X. The camera captures 3-D objects and 2-D images in a fraction of a second and processes image data with perfect color resolution and pixel-specific resolution. It interfaces to virtually any DVE or PC graphics system. A digital enhancement circuit permits precise signal processing of data, pixel by pixel. RGB analog outputs are provided so that images can be transferred directly to computer graphics systems and can be displayed directly on RGB high-resolution monitors. An optional D-1 component output module provides both serial and parallel interfaces.

**A fiber-optic transport architecture** has been announced by AT&T Network Cable Systems Marketing, 111 Madison Ave., Morristown, NJ 07692. The company's architecture uses a structured wiring approach to provide audio/video signal transport throughout the broadcast production facility and beyond. It capitalizes on the physical characteristics of fiber and permits cost-effective installation and space savings. The architecture is lightweight, and features small diameter, immunity to electromagnetic interference, no equalization requirements, and virtually unlimited bandwidth.

**First Video™**, the first nationwide video production network to be connected via fiber optics, has been unveiled by Vyvx, Inc., 808 Travis, Suite 2100, Houston, TX 77002. It will connect more than 50 video-production facilities across the country via a switched broadcast-quality fiber-optic television transmission network. As an affiliate, production facilities will be able to transmit video, such as commercials and news features, real time over fiber optics to other production facilities or affiliates across the nation. Local television stations can edit and transmit news feeds to and from their stations and other stations in more than 50 cities across the nation, advertising agencies can send and receive commercials and video production on-line instead of on tape and perform remote on-line edit work with out-of-town clients, and local businesses can hold videoconferences between multiple offices in First Video cities. Affiliates will be located in cities where the company has television switching centers.

**A next-generation 35mm film scanner** has been launched by Nikon Electronic Imaging Products, 1300 Walt Whitman Rd.,

**lowel**® Lowel-Light Manufacturing, Inc.  
140 58th Street, Brooklyn, N.Y.  
11220 ☎ (718) 921-0600

# INTRODUCING THE MOST IMPORTANT ADVANCE IN VIDEO PRODUCTION SINCE VIDEOTAPE.



## THE PIONEER REWRITABLE VIDEODISC RECORDER WITH NON-LINEAR ACCESS.

The Pioneer Rewritable Videodisc Recorder can revolutionize the way you do video production.

Through laser technology, the VDR-V1000 provides the world's fastest, most accurate broadcast-quality editing plus the greatest media reliability available.

It offers near instant non-linear

access and the most precise frame-by-frame editing in a recording device. Gone are the typical editing problems associated with shuttling, jogging, and pre-roll.

The VDR-V1000's unique, dual-

head system gives you real-time non-linear playback. You get a perfectly clean edit every time. You can erase and record simultaneously. No pre-roll or post-roll is necessary.

There's no head contact with the media. Discs can be erased and re-recorded one million times — the quality of the millionth recording is the same as the first. Discs contain up to 57,600 images per side, or 32 minutes of full motion video per side.

The VDR-V1000 can record audio and video simultaneously or separately, so you can dub PCM stereo audio onto video. Access is available through the RS-422A or RS232C ports. It can read and write SMPTE time codes, and transmit signals compatible with component, composite and RGB formats.

With so much going for it, the VDR-V1000 leaves only one question unanswered: What are you waiting for?

For more information, contact

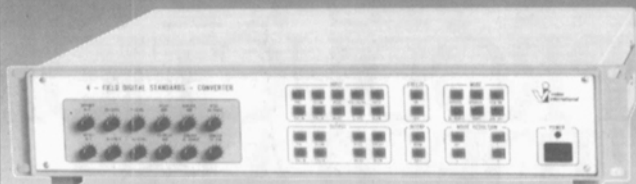
Pioneer Communications today at 1-800-LASER-ON. Ask

how you can set up a private product demonstration.



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65 - 16 Brook Ave, Deer Park, N.Y. 11729 USA  
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## mag-sound perfection

Inovonics takes analog magnetic film recording to the limits of its capability. With guidance from longtime industry professionals, we have developed an electronics package that makes a difference you can *hear*, as well as measure.

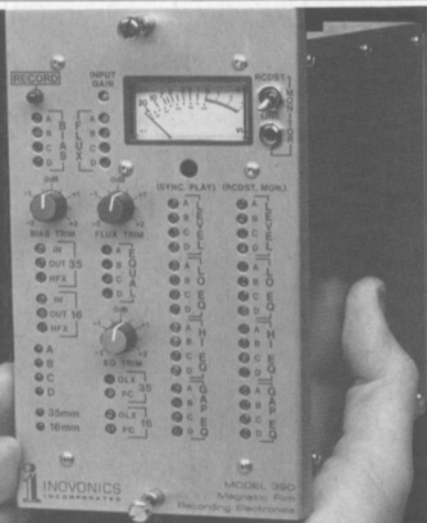
Our 390-series "insert" electronics is both for new installations and to upgrade existing systems for vastly improved performance. Low-noise designs with wide dynamic range are further enhanced with our OLX™ and HFX™ "headroom extension" circuitry. Top-end overload is essentially eliminated, and overall distortion is reduced to less than that of the coated stock itself.

Please call or write for full technical information or to discuss any particular application.



## Inovonics

1305 Fair Avenue • Santa Cruz, CA 95060  
 CALL: (408) 458-0552 • FAX: (408) 458-0554



Melville, NY 11747-3064. Reading color or monochrome 35mm film positives and negatives, the LS-3510AF incorporates the design of its predecessor, the LS-3500, while adding new functionality such as autofocus, faster scan time, SCSI or GPIB interface, optional 12-bit processing, and a free rotation slide mount. An autofeeder, able to scan up to 300 slides unattended, will be available at a later date.

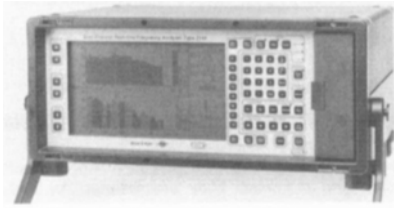


*Panasonic 13-in. multistandard monitor*

A 13-in. diagonal color video monitor is available from Panasonic Communications & Systems Co., 2 Panasonic Way, Secaucus, NJ 07094. The BT-S1360Y is S-VHS compatible, rack-mountable, and provides more than 425 lines of horizontal resolution for TV system compatibility with EIA standard NTSC: 525 lines, 60 fields. The product's input/output terminals offer a variety of connection options, including Line A S-Video input/output (4-pin), video input/output (BNC), audio input/output (RCA phone), Line B VTR input (8-pin), video input/output (BNC), and audio input/output (RCA phono). The unit provides facilities for external sync, sync select, and AFC select. Features include autowhite balance, switchable color temperatures (9300° K; 6500° K), comb filter, and built-in audio amp/speaker.

A video interactive control graphics package for the Harrison Series Ten-B has been introduced by GLW Inc., 437 Atlas Dr., Nashville, TN 37211. The system utilizes the proprietary GLW NuBus video processor board residing in the same Macintosh computer as the Series Ten-B automation system. The package offers higher resolution, higher speed, and allows the operator to consolidate all of the unit's subsystems and options in one computer platform. An operator can view all controls and parameter settings of the unit's input channels with the ability to change any of these controls or parameters on the screen in real time.

A dual-channel real-time frequency analyzer has been announced by Brüel & Kjaer Instruments, Inc., 185 Forest St., Marlborough, MA 01752. Type 2144



Brüel & Kjaer real-time frequency analyzer

brings laboratory standards of precision and performance to the field, with all the power and convenience of real-time operation. It is a fully portable, easy-to-use instrument weighing less than 10 kg, carrying an on-screen user's guide and running continuously for more than four hours on its rechargeable batteries. The analyzer has four different modes of analysis: single channel, dual channel, sound intensity, and cross spectrum. Each mode has its own setup of parameters. In cross spectrum mode, it measures the input and output autospectra and the real and imaginary parts of the cross spectrum to enable real-time calculation of frequency response functions.

**The Machine Control Management System**, a routing switcher for digital communications control, is available from Jem-Fab Corp., 400 Roosevelt Ave., Freeport, NY 11520. Model DSW-128 offers instant delegation and total flexible control of RS-422 and RS-232 data communications signals. Machine time sharing and large system management is programmed by any PC. Functions can be assigned, blocked, reversed, combined, networked, bused, etc. Setups can be stored in memory for instant recall. Assignments can be made to VTRs, TBCs, editors, DVEs, still stores, and more. Custom applications and machine interfaces are available.

A **synthesized signal generator** has been released by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. Model 3221 offers high stability and purity outputs to 2.7 GHz. RF-output-level engineering units are selectable between dBm and dB $\mu$  with 0.1-dB resolution. Frequency accuracy is 0.05 parts/million and SSB phase noise is  $\pm 120$  dBc. Modulation capabilities include 7 modes with 14 simul-

taneous combination modulation modes.

Model 951, a **portable CATV signal level meter**, is designed for measuring performance levels during system construction, installation, and maintenance. An autoscanning feature selects 32 channels encountered and displays measurement results autoranged and autoscaled for storage to, or recall from, four groups of eight channel-bargraph data registers. Users can also select and store four memory-scans of picture and/or sound carriers, and measured results.

A **300-MHz programmable video generator** features a graphic user interface that utilizes on-screen menus and graphic displays with mouse control to provide visual guidance in raster assembly, pattern selection and design, signal drive options, storage, and retrieval. Waveforms are depicted to help raster setup and patterns are assembled on screen with a palette of 256 colors from a range of  $16.7 \times 10^6$  colors. Storage capability starts with up to 100 addresses in both RAM and ROM and expands to 1800 addresses on the built-in floppy disk.

### Newly Published

## Milestones in Motion-Picture and TV Technology The SMPTE 75th Anniversary Collection

In commemoration of SMPTE's 75th anniversary, a selected group of milestone papers originally published by the Society during its 75-year history are being published in a single book. The book contains papers on such motion-picture milestones as the first SMPTE standards, natural color cinematography, sound, and the Technicolor process. Television milestones include papers on color television, NTSC, the Ampex VTR, and digital recording. This is a worthwhile addition to the library of anyone interested in the early history of motion pictures and television. Order early. Use the form below.

Member Price: \$20.00

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SMPTE Books  
595 W. Hartsdale Ave.  
White Plains, NY 10607



Please send me \_\_\_\_\_ copies of Milestones in Motion-Picture and TV Technology, The SMPTE 75th Anniversary Collection, at the price of \$25.00 each (\$20.00 to SMPTE members) plus postage and handling.\*

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