

## Deceased Members

**John S. Almen**, an Active Member of the SMPTE for more than 33 years, died on February 13, 1988, in San Mateo, Calif., at the age of 60. The Society awarded him a special David Sarnoff Citation for his work in color television systems at RCA. While Almen was at Ampex Corp., he was honored with the Alexander M. Poniatoff Special Recognition Award for "outstanding service to the community and to his fellow employees." He was also a member of the Broadcast Pioneers of America.

**Thomas G. Flynn** died on October 30, 1987. He was 61 years old. Flynn joined the Society in 1950 when he worked for ABC. He attended Harvard and MIT from 1946 to 1949.

**Robert W. Hartshorne**, an Active Member of the Society since 1962, died on May 29, 1988. He was 64 years old. Over the course of his career, he was employed by Ace Film Lab, Du Art Film Laboratories, Inc., M.G.M. Film Lab, American Film Industries, International Film Laboratory, Inc., National Video Film Services, and Lab Services International.

**Burton Munnings**, a Life Member in the Society, died on March 24, 1988. He was 75 years old. He formed P.M. Photographic Co. Pty. Ltd. in 1949 to process still and 16mm film. In 1961, when Munnings joined the Society, P.M. Photographic was considered one of the largest independent processing companies in Australia. Before starting his own company, Munnings worked at Station 2VE and at Supreme Sound System. Munnings was also a member of the Institute of Radio Engineers and the Society of Photographic Scientists and Engineers.

**Vaughn C. Shaner**, a Life Fellow of the SMPTE, died on March 8, 1988. He joined the Society in 1943. He started his career at Eastman Kodak Co. in 1935 and retired from Kodak in 1976. Shaner graduated with a B.S. from the University of Nebraska in 1935 and took graduate courses at the University of Rochester from 1936 to 1937.

**Robert Unrath** died on June 9, 1988, at the age of 70. He had attained the level of Life Member in the Society. Unrath became an Active Member in 1966. He spent many years working at the Port of New York Authority. Unrath attended Pace University and New York University from 1936 to 1947. He studied advanced motion-picture and television techniques under a Fellowship from 1965-1966.

# 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 the manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.*

**An antitaping system** for the pay-per-view industry was introduced by Eidak Corp., 124 Mt. Auburn St., Cambridge, MA 02138. The system renders live and prerecorded copyrighted television transmissions effectively nonrecordable on VCRs. The process modifies video signals being received by the television receiver or VCR. The all-electronic scanning system of a TV receiver or video monitor can track the signal, but the mechanical scanning head of a VCR cannot. The modifications are imperceptible when viewed on any TV set. The system is compatible with all known VCRs, TVs, and with all major cable scrambling techniques.



*Ampex Alex™ character generator system*

**A character generator** was introduced by Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. The Alex™ system has 256 levels of transparency and antialiasing of characters and symbols. The system consists of a keyboard with mouse, local 3½-in. floppy disk drive and rack-mountable signal system with an internal 40-Mbyte hard drive. An internal palette generates more than 16 million colors. In addition to the resident standard typefaces, users can purchase additional typefaces from a library of more than 1500.

**An economical video/graphics workstation**, the Vws 1000, was announced by Harris Corp., 960 Linda Vista Ave., Mountain View, CA 94043. It provides image management, processing, storage, and retrieval of still images in a single integrated video system. The digital system features a relational data base with a 32-bit processor that can identify, catalog, manipulate, and retrieve images from any on-line sequence. The single output system supports both RGB and composite

formats and occupies only 7 in. of rack space. The workstation incorporates the MultiViews™ program for rapid image cataloging.



*For-A FA-210 time base corrector*

**Time base corrector**, FA-210, has been introduced by For-A Corp. of America, 320 Nevada St., Newton, MA 02160. The component processing machine has been specifically designed for ½-in. and ¾-in. heterodyne VTRs and provides a wide-band CCD comb filter. The FA-210 features automatic picture freeze when a poor quality input video signal is detected or if input video is absent. It also has frame synchronizing full frame memory to eliminate correction range limitations.



*Sony-Tektronix waveform digitizer*

**A programmable waveform digitizer** has been introduced by Sony-Tektronix, P.O. Box 500, Beaverton, OR 97077. Model RTD 710A transient digitizer offers 1-Kword to 256-Kword record lengths with up to 32-Mword capability, 200-MS/s sampling speed, and 10-bit vertical resolution. It also provides internal or external sample clocking, direct A/D output, high-speed GPIB port, advanced triggering, and enveloping modes.

**Three 4X1 switchers** are combined in one system from Target Technology, P.O. Box 609, Penn Valley, CA 95946. The Model AVS-403 contains one video and two audio switchers. A vertical interval video switcher has a bandwidth greater than 40 MHz. Click-free audio switching is achieved with CMOS gates. The audio is balanced in and out with standard XLR connectors. The switcher has a maximum audio level of 24 dBm.

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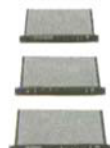
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film formats and video systems of today and tomorrow. Sondor technology is a world of unlimited options: the modular design provides optimal flexibility and versatility. Sondor's highly qualified specialists will evaluate, design and install a ready-to-go studio-system to suit your individual requirements - with a complete system warranty.



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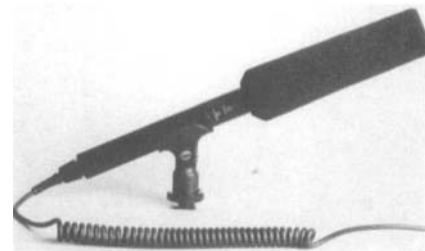
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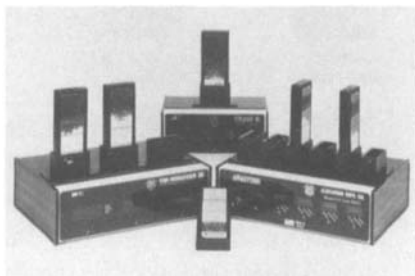
*Nady Systems boom microphone*

A videocamera boom microphone, VCM-100, has been introduced by Nady Systems, Inc., 1145 65th St., Oakland, CA 94608. The super cardioid electret condenser element combines wide frequency response with low noise. One AA battery powers the mike. A switch offers the option of either normal or long distance recording. In long distance mode, extraneous noise is eliminated. The microphone comes with a 3-ft coil cord and shoe-mounting bracket as well as a 20-ft straight cord for remote use.



*Sendor multitrack recorder*

The Perfortape Machine, Model a'90, has been introduced by Sendor Willy Hungerbuhler AG, Gewerbezentrum, CH-8702 Zollikon, Zurich, Switzerland. It features direct synch operation up to 30X normal speed and standard biphasic signal interlock. The recorder is available as a flatbed console or in 19-in. racks. It accepts 16mm or 35mm or both gauges, with automatic changeover of all parameters. A pinch roller is used in the capstan drive.



*Alexander analyzers 3500, 1500 and 6500*

A line of battery analyzers, called Tri-Analyzers, has been introduced by Alexander Manufacturing, P.O. Box 1508, Mason City, IA 50401. The analyzers al-

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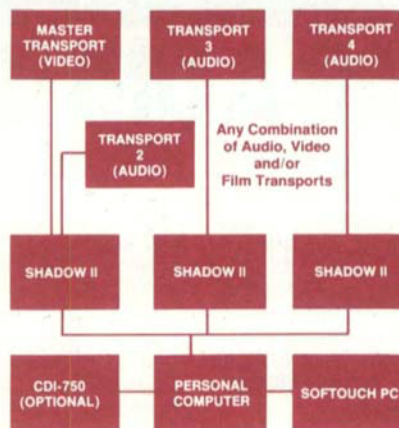


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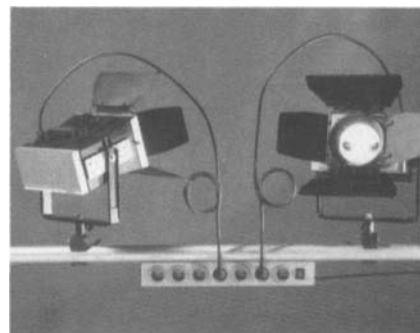
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low engineers to analyze the battery capacity while conditioning it. After the battery is charged, the analyzers discharge the battery. Once the battery is discharged to 1V/cell, the battery capacity is displayed in mA h. The battery is then recharged for use.



*Helios™ daylight lamps*

**Daylight lamps** have been introduced by FGV Panther GmbH, Rotbuchenstr. 1, 8000 Munich 90, W. Germany. The Helios™ lights are 100% flicker-free at all filming speeds. The head and ballast are integrated into one lightweight unit. The electronic ballast enables the lights to operate at a discharge frequency much higher than other HMI lights. Continuous varying of frame rate with daylight balance lighting is possible.

**Formatt filters** have been introduced by Fries Engineering, Inc., 12032 Vose St., N. Hollywood, CA 91605. They are made of an advanced resin compound that has a surface hardness close to that of glass. The colors are dyed-in-the-mass to prevent fading. Many sizes and types are available along with custom designs.

**A metal particle digital videotape** was recently introduced by Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. Composite digital tape 319 D2 is available in three cassette sizes, with maximum play times of 32 min, 90 min, and 208 min. The videotape contains antistatic plastics to reduce dust attraction. Other features include a positive lock mechanism for both tape spools, Teflon™ impregnated plastic flanges, clam shell lid, and captivated lock buttons.

**An industrial audio cassette** has been announced by Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. Tape 672 has been improved and reintroduced. The improved tape has a new pad design for improved azimuth tracking. A color-coded leader tape is included on bulk packages for easy play length identification. Ampex also unveiled a new packaging system for its entire industrial audio product line.