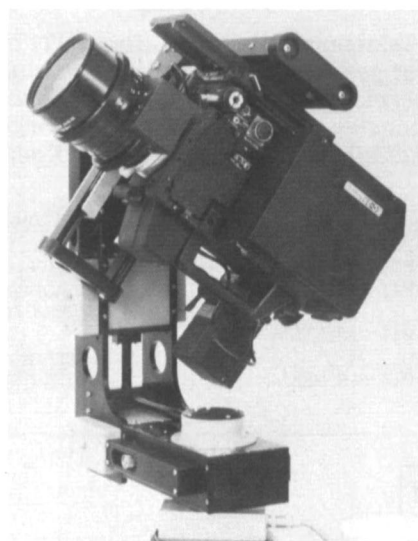


NEW PRODUCTS

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.

The Mini-Mote™, a remotely controlled pan-and-tilt head, has been announced by Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025. It is designed for use with all popular 16- and 35-mm film cameras as well as all EFP-style video cameras, including the Ikegami EC-35 for electronic cinematography.

Designed by E. F. Nettmann, and manufactured by Cinema Products under license from Matthews Studio Equipment, the Mini-Mote head has powerful, but smooth and silent, motor drives to provide 17 ft/lb of torque in both axes. Quick gear disengagement is provided to permit free movement in both pan and tilt, allowing the operator to balance the camera easily by means of a sliding rail adjustment in tilt mode and a sliding dovetail in the pan mode. When it is disengaged, the free



Mini-Mote™ pan-and-tilt head, Cinema Products

head also permits quick, on-the-spot moving to the desired shooting position.

The Mini-Mote head is connected

through 100 ft of cable to a control box with plug-in amplifier cards. The head can be operated either by Worrall-type gear wheels for film-style operation, or by an optional joystick for video-style operation. Either type of transducer is housed in a countertop unit that plugs into the control box. Power is supplied by a plug-in battery pack.



KB Magic fluid head, KB Systems

KB Magic fluid heads have been announced by KB Systems, 10407 62nd Pl. W., Everett, WA 98204. The heads have viscous fluid drag in both pan and tilt directions. All models have tilt and pan locks. The handles have right- or left-hand capability and are removable for easy transportation or storage. Features include a bubble level to aid in setup.

SOMETIMES EVEN A MOTHER HAS TROUBLE RECOGNIZING HER OWN CHILD

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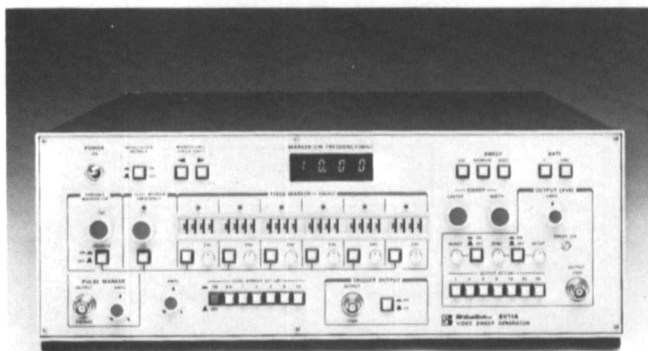
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1000-W Arrilite, Arriflex Corp.

Arrilites, a series of lightweight, open-faced 650-, 1000-, and 2000-W tungsten luminaires for EFP and motion-picture production, has been announced by Arriflex Corp., Blauvelt, NY 10913. Arrilites are constructed of fibreglass-reinforced, injection-molded thermoplastic. The thermoplastic housing is combined with an aluminum inner shell.

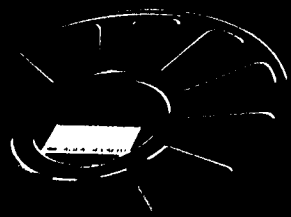
Features include anodized aluminum reflectors with wide-beam angle variation, from an extreme high-intensity spot to a smooth flood setting. The beam angle is adjusted by moving the reflector, not the lamp, a design that eliminates filament vibration and prolongs lamp life. The luminaires' focus control knobs are heat resistant and may be pole-operated. Each Arrilite head tilts a full 270°.

Other features include integral accessory holders and fully rotatable barndoors. Accessories available are 4-leaf barndoors, scrims, and dichroic filters.



Bilora Video Clamp Column, Comprehensive Video Supply

The Bilora Video Clamp Column, Model 480, described as a "legless tripod," has been announced by Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647. Designed for use where space is limited, it provides pan-and-tilt capability even in the most cramped situations. The unit clamps to cylindrical or flat surfaces up to 2½ in. thick. It comes with the Bilora Model



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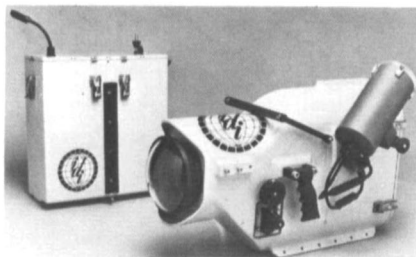
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1464 fluid-effect head, with standard 1/2 x 20-in. thread. The unit can accommodate cameras weighing up to 18 lb.

The **IDI underwater housing** designed for ENG/EFP video cameras has been announced by Image Devices International, 1825 NE 149 St., Miami, FL 33181. The housing has external controls and indicators and a correcting dome port to prevent refraction. The video signal can be sent topside, or it can be recorded underwater on the optional companion housing for the Sony BVU 50 or Betacam recorder. The recorder housing can be worn as a



IDI underwater housing for ENG/EFP video cameras, Image Devices

backpack to give the underwater cameraman complete freedom of movement. In

the Betacam version, camera and recorder are in one compact housing.

Paint controls, aperture, pedestal, and a tally light are controllable from the surface with an optional Anton/Bauer micro control. Camera power is supplied from the surface for an unlimited period of underwater videotaping. The housing is engineered for neutral buoyancy underwater to a depth of over 300 ft. The multiposition monitor, available in color or black and white, is adjustable below or above the surface.

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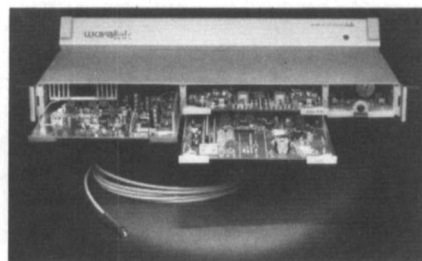
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Model 3291 Wavelink™ laser transmitter system

The long distance **Wavelink™ fiber optic communications system**, announced by Wavelink Dept., The Grass Valley Group, Inc., P.O. Box 1114, Grass Valley, CA 95945, transmits broadcast video, audio, and data over distances of 3 to 10 km to RS-250-B short-haul specifications. These distances are achieved with the use of a laser diode source which has an 850-nm wavelength, and a power output of 1 mW. The system includes the Model 3290 full wideband 10-MHz broadcast-quality video channel and the Model 3291 6-MHz video plus optional subcarrier channels. Current options for Model 3291 include single audio, dual audio, and data.

Wavelink transmits analog signals using a laser diode source, an FM transmission method, and an avalanche photodiode detector. By using a laser diode source, RS-250-B specifications are met for differential gain ($<1\%$), differential phase ($<0.5^\circ$), and weighted signal-to-noise ratio (>67 dB).

A **single-channel noise-reduction system** using Dynafex™ circuitry, has been announced jointly by MicMix Audio Products, Inc., 2995 Ladybird Lane, Dallas, TX 75220 and Solid State Micro Technology for Music, Inc., 2076B Walsh Ave., Santa Clara, CA 95050. Designated the SSM 2200, the monolithic device provides up to 30 dB of noise reduction without the encode/decode process. It can be used to eliminate noise from virtually any audio source.

The circuit incorporates dynamically variable bandwidth limiting and unique downward expansion. The bandwidth-limiting portion continuously analyzes and responds to frequency content of the input signal, while the expander section analyzes and responds to signal amplitude. By utilizing these two types of noise

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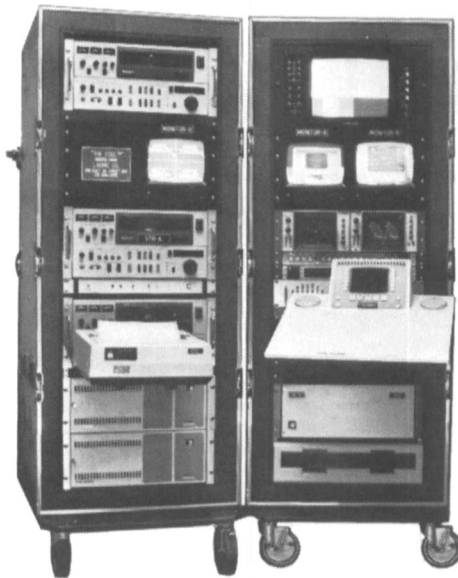
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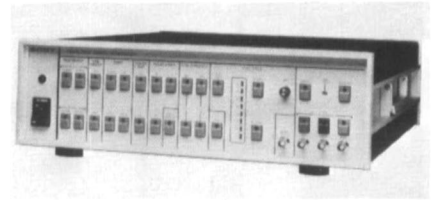
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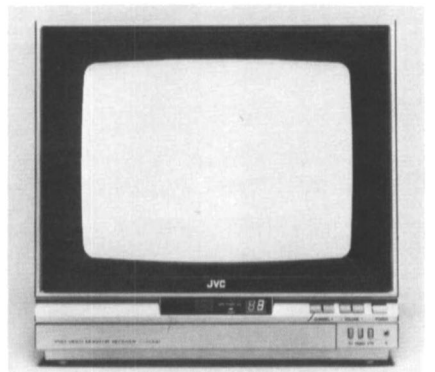
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reduction simultaneously, a greater amount of noise reduction can be realized than in typical dynamic filtering schemes.



HDVS test signal generator, Sony

The HDVS test signal generator developed at the Sony Technology Center, Palo Alto, Calif., has been announced by Sony Broadcast Products Co., Sony Dr., Park Ridge, NJ 07656. By using digital video techniques, the product simulates signals that can test the design of high-definition cameras, VTRs, and other studio production equipment.



C-1483UM monitor/receiver, JVC

A high-focus monitor/receiver, Model C-1483UM, has been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. The 13-in. (diagonal) monitor comes with wireless remote control, including volume control, channel selection, and power on/off, and with VCR cable and 8-pin to 8-pin monitor cable.

Features include a comb filter that processes chrominance and luminance signals separately. The monitor is equipped with a newly developed electron gun which yields a brighter picture for more effective playback, and a mute button which temporarily silences the audio output. There are two video input terminals for simultaneous VTR and camera hookup.

The SM-9 Video Status Monitor and the SP-10 Status Printer have been announced by EECO Inc., 1601 E. Chestnut Ave., Santa Ana, CA 92701, as accessories for the IVES™ Intelligent Video Editing System.

The SM-9 monochrome monitor displays the complete status of editing functions during computer-assisted post-production. The 9-in. monitor is plug-compatible with the IVES editing system. It provides 800 lines of resolution. The

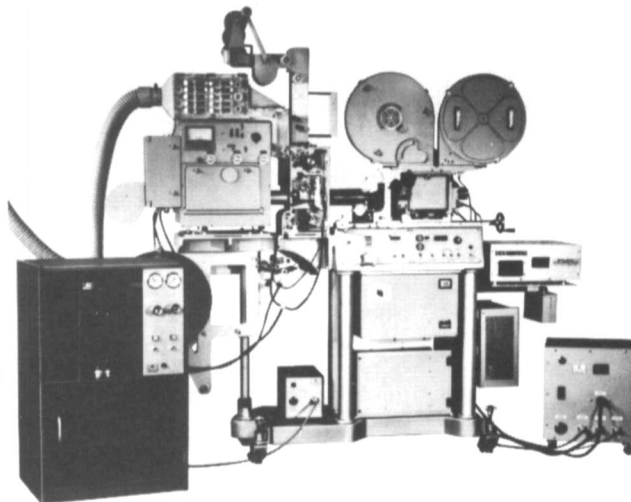
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(Below)

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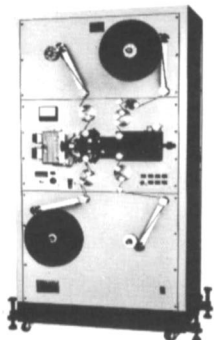
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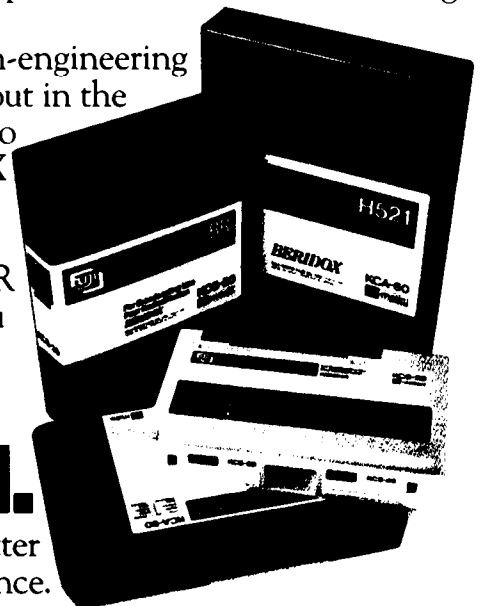
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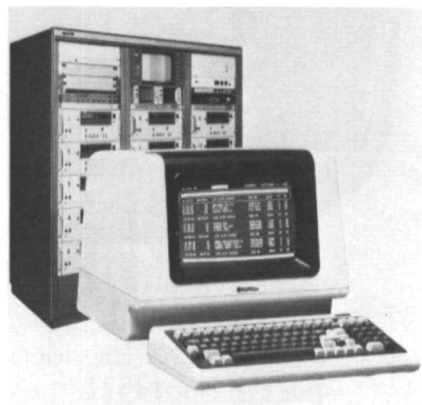
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SM-9 Video Status Monitor, EECO

monitor uses 34-W input power at 120 V
ac, 60 Hz. The SP-10 printer offers 120-
characters/sec printing speed for rapid
printouts of complete editing status infor-
mation during computer-assisted video
post-production.

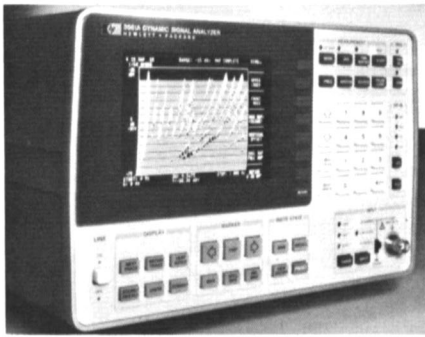
A CD modular system for multiple profes-
sional compact disk players has been an-
nounced by Sony Corp., Sony Dr., Park
Ridge, NJ 07656. The system consists of
the CDS-3000 control unit and the CDP-
3000 player. The control unit is designed
for programming compact disks in broad-
cast radio and television stations, and for
professional audio production appli-
cations.



Master Control Manager, Horizon
International

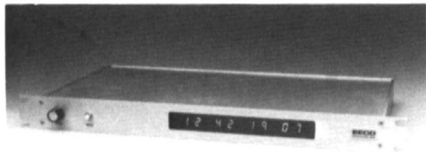
The Master Control Manager (MCM), a
software-based automated or semi-automated
videocassette playback system, has
been announced by Horizon Interna-
tional, 3837 East Wier Ave., Phoenix, AZ
85040. MCM is capable of handling all
broadcast tape formats (U-Matic, Type
M, and Type C), and is designed for on-air
programming, commercial insertion, and
in-house distribution. The MCM features
random or sequential switching, compo-
nent signal processing, peak and average
audio monitoring, manual override, and
emergency power backup.

A versatile dynamic-signal analyzer for
real-time spectrum analysis, the HP
3561A, has been announced by Hewlett-



HP 3561A dynamic-signal analyzer, Hewlett-Packard

Packard, 1820 Embarcadero Rd., Palo Alto, CA 94303. It provides 80-dB dynamic range over a 100-kHz frequency range, and ± 15 -dB amplitude accuracy. Flexible "zoom" analysis makes it easy to study frequency spans as narrow as 0.25 Hz anywhere in the 100-kHz range. In addition, a crosshair marker with 0.01-dB amplitude resolution provides quick, calibrated answers.



TCR-65 SMPTE time-code reader, EECO

A new line of SMPTE time-code generator and reader peripherals for computer-assisted video post-production has been announced by EECO Inc., 1601 E. Chestnut Ave., Santa Ana, CA 92702. Called Eeconoline™, the peripherals are designed for entry-level post-production and editing applications and complement the existing line of time-code products.

The peripherals include the MTG-55 longitudinal time-code generator, TCR-65 time-code reader, and VCG-75 video character generator. The MTG-55 SMPTE time-code generator outputs serial time code that is formatted in hours, minutes, seconds, and frames.

The TCR-65 SMPTE time-code reader uses 0.4-in. red LEDs to display time code. The unit is able to read and decode longitudinally recorded time code from videotapes, audio tapes, and magnetic film. The VCG-75 video character generator reads SMPTE time code from a videotape, or other source, and outputs this data as video characters.

The Peterson full-immersion rotary buffer film cleaning machine has been announced by Peterson Enterprises Inc., 1840 Pickwick, Glenview, IL 60025. The unit employs a submerged rotary buffer principle in which the film is actually buffed clean while totally submerged in conventional solvent. An aquarium window enables the operator to monitor the cleaning action while the machine is running.

SMPTE Journal, March 1984

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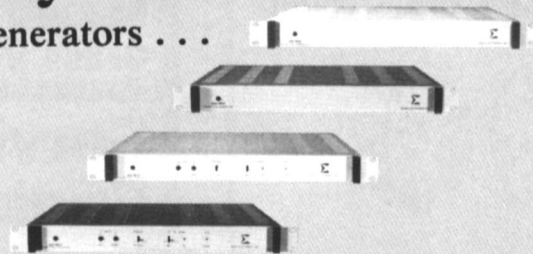
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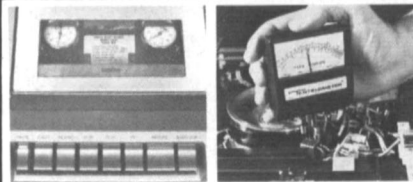
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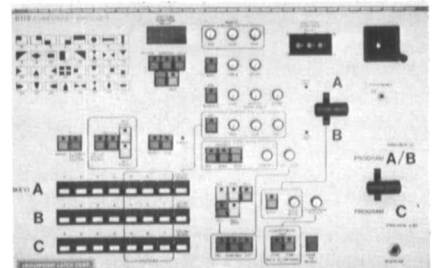
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Rotary buffer film cleaning machine, Peterson Enterprises

In addition to improved cleaning effectiveness, the machine runs at speeds up to 180 ft/min and uses minimum amounts of solvent. Both 16- and 35-mm, S8 dual, and S8 quad film widths can be accommodated.



Model 6116 component video switcher, Crosspoint Latch

A component video production switcher, Model 6116, has been announced by Crosspoint Latch Corp., 95 Progress St., Union, NJ 07083. The unit operates on any of the standard component formats, including RGB. The switcher can operate with both component and encoded signals. Four of the seven inputs are allocated to component signals, and the other three to encoded.

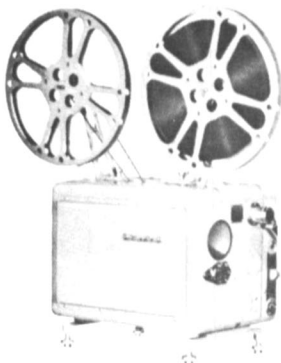
The 6116 does not perform transcoding from one format to another; however, an optional transcoder allows RGB signals to be used for chroma keying. The switcher has three buses, a 32-pattern effects generator, the ability to mix from one bus to an effect between the other two, and a fade to black.



CompuSwitch™ System 700, Pelco Sales

CompuSwitch™ System 700, developed to meet video control requirements of CCTV

Looks familiar,
doesn't it? You're right!



It's the famous Bell & Howell Military JAN (Joint Army/Navy) 16mm sound projector. This fine machine is available once again and the new model comes with a solid state amplifier, D.C. exciter lamp supply, synchronous motor, induction blower, and non-sync input. Models are available for optical/magnetic sound, telecine operation, xenon conversion, 110V or 220V, 50 or 60 cycle. Write for descriptive literature. Dealer inquiries invited. Prices start at \$1,995.00.

International Projector Co. Inc.



6750 Northeast 4th Court
Miami, Florida 33138 U.S.A.
Phone: (305) 756-0699 Telex: 522-071

Engineer



Grass Valley Group

Service Engineer

The Grass Valley Group, Inc., a leading manufacturer of television broadcast equipment, is looking for a Service Engineer to be based at their New Jersey sales office. This challenging position offers job satisfaction, travel, customer contact, automobile, salary, plus profit sharing and many other company benefits.

The qualified applicant must have experience in designing and/or maintaining television broadcasting systems. This position will be responsible for providing after sales support for our wide variety of complex systems. Interested and qualified candidates should send their resume to Sylvia Shelton, The Grass Valley Group, Inc., Dept. AA50, P.O. Box 1114, Grass Valley, CA 95945. An equal opportunity employer, M/F/H/V.

A TEKTRONIX COMPANY

security/surveillance systems, has been announced by Pelco Sales, Inc., 4790 W. Jacquelyn Ave., Fresno, CA 93711. System 700 has a building-block modular design.

It utilizes a master component that interfaces with system expansion modules, allowing the user to custom-design, expand, and upgrade his system by connecting the expansion modules to the CompuSwitch with a 26-conductor ribbon cable. The master component is a microcomputer-based, video-sequential switcher that directs almost all the control functions of the system.



7D20T Programmable Digitizer, Tektronix

The 7D20T Programmable Digitizer (first introduced as 7D20, a plug-in for the Tektronix 7000 series oscilloscopes) is a monolithic digitizer configured with its own specially designed power module. It is available from Tektronix Inc., P.O. Box 1700, Beaverton, OR 97077. The 7D20T allows for state-of-the-art digitizing as well as IEEE-488 (GPIB) interface capability. The waveform processing capabilities include signal averaging and enveloping. In the signal averaging mode, the digitizer can process up to 256 waveforms to reduce uncorrelated noise, and then send one averaged waveform, rather than hundreds, to the system controller.



Model 500 Sequencer, United Media

The Model 500 Sequencer, a digital electronic programmer that activates up to 16 pieces of equipment, has been announced by United Media, 4075 Leaverton Ct., Anaheim, CA 92807. Designed for post-production and television operations, the computer-controlled, solid-state unit can sort and store 320 commands in internal memory.

A built-in time-code reader enables the selection of 24, 25, 30DF, or 30NDF. The unit also works on a real-time clock at 0.01-sec intervals, and has built-in regis-

ters for start time, stop time, event channel, tape time display, and frame indicators.

The Carter Cartop Platform has been announced by Video Components Inc., 601 South Main St., Spring Valley, NY 10977. Designed to hold a video or motion-picture camera safely on top of a van or sedan, it has a heavy-duty, non-skid platform with patented, self-adjusting rubber pads. The platform is held securely in place by means of stainless steel clips and turnbuckles.



Carter Cartop Platform, Video Components



DIRECTOR, NEW TECHNOLOGY Television Broadcasting

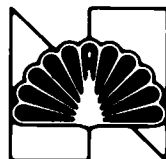
Contribute your professionalism and in-depth knowledge to ongoing operations and future requirements at NBC.

Key position reporting to the Director, Technical Development demands an individual with proven technology mastery. Responsibilities involve the identification of technology, its system application and the development, through vendors, of equipment necessary for implementation. The selected candidate will play a vital role in the planning and achievement of technological standards to assure compatibility with NBC practices. He or she will direct the activities of several television technology disciplines, three senior staff engineers, as well as the Design and Evaluation lab.

Requirements include profound engineering management experience. The design and construction of at least one major broadcast facility is a prerequisite. Thorough knowledge of all television disciplines; considerable system design experience; expertise in the NTSC system strengths and deficiencies; direct first-hand contact with industry state-of-the-art; and management of a TV technical and operations staff in a major market are necessary. Candidates must possess such qualifications as conference and committee chairmanships in professional engineering societies, and will be a recognized authority in the industry, well-published in broadcast technical arts as well. B.S. or B.A. in engineering or business administration is essential, combined with training in broadcasting (and related) fields.

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