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# New Products & Developments



The PK-60 camera, broadcast news/production color television camera has been announced by Toshiba America, Inc., Broadcast Electronic Systems Div., 292 Gibraltar Dr., Sunnyvale, CA 94086. The camera is 11 in long, 9 in high and 3.7 in wide. It weighs 9.4 lb. Power consumption is 2-.6 W, allowing about two hours of operation with a MiCad battery. Features include Digital Data Loc, an advanced plug-in digital memory adapter that operates in conjunction with the microprocessor-controlled automatic setup unit. Information stored in the non-volatile memory of the Digital Data Loc unit maintains centering, black levels and white levels. The camera can be set up at the studio and used on remotes with no additional setup required.

Other features include a digital base station, monitor selector setup box, microphone holder with built-in amplifier, analog base station and a triax/wireless transmission system. Tube options include 2/3-in Plumbicon, Saticon or diode gun Plumbicon. The PK-60 is priced at \$34,500, excluding tubes and lens.

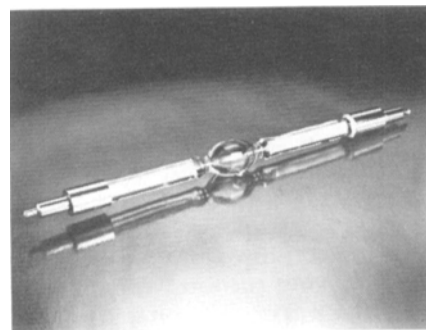


A new 15 x 9, 9-135 mm, f/1.5-1.9 zoom lens for ENG cameras has been announced by Angenieux Corporation of America, 120 Dery Rd., Hudson, NH 03051. With an aperture of f/1.5 and a transmission factor of 1.1, the new Angenieux zoom permits picture making under extremely low light levels. Because the f/1.5 aperture remains constant for more than 11x at all focal lengths between 9-100 mm, long distance telephoto as well as wide angle shots can be made in poorly lit areas.

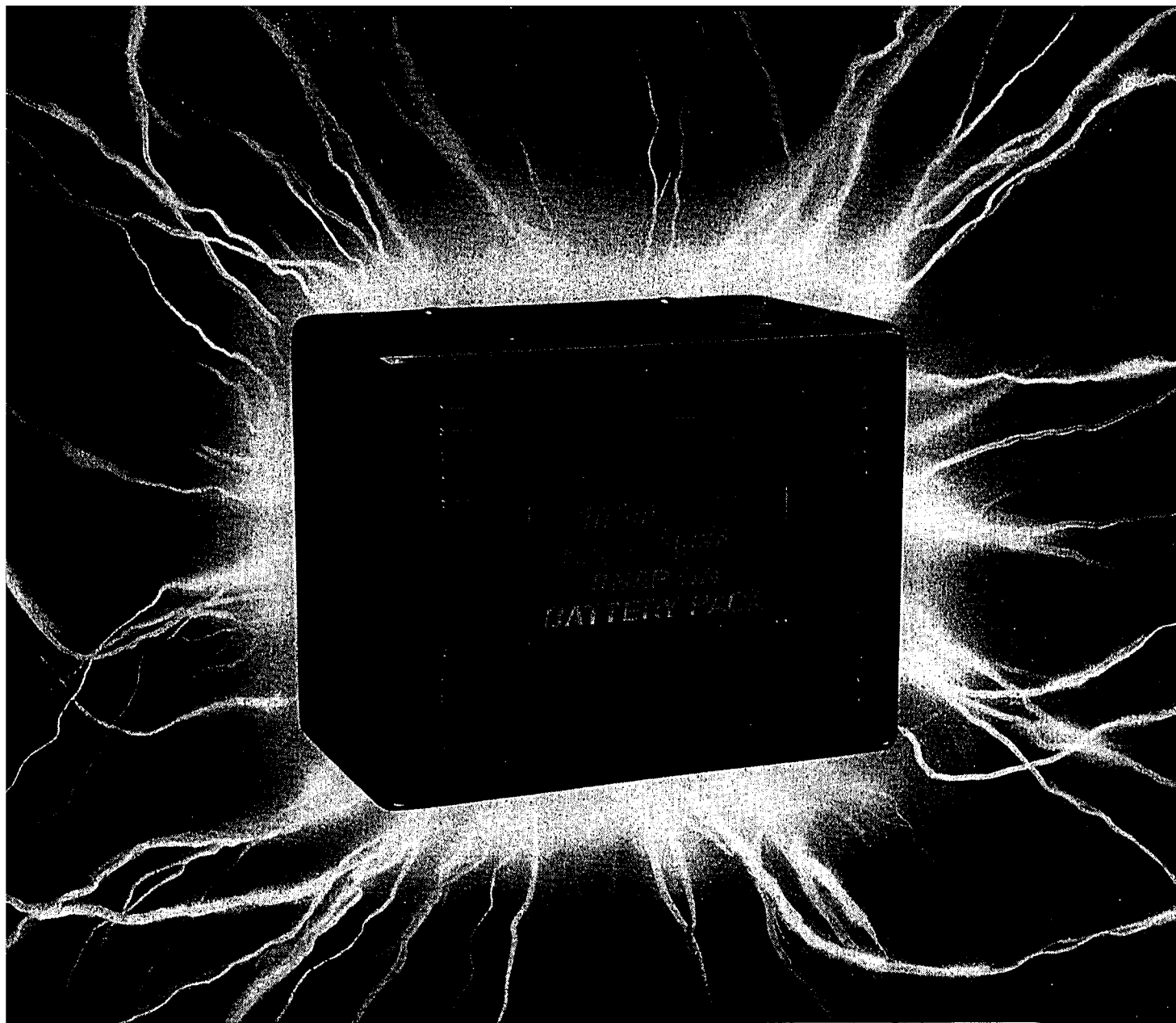
A built-in 2x range extender can instantly change the focal length to 18-270 mm. A rocker switch which controls the zoom rate and direction is incorporated in the electronics box housing on the lens. Close focusing to 32 in with full zoom capability offers a high degree of magnification for extreme close-ups of small objects. The lens, with turret and rocker switch control weighs 4.6 lb. The price is about \$6800.



A new eyepiece for the Arriflex IIC 35-mm camera has been announced by Continental Camera Systems, Inc., 7240 Valjean Ave., Van Nuys, CA 91406. Features include a large, bright viewfinder, Mitchell rubber eyecups, an easily handled focus ring and 2:1 magnification. The eyepiece is easily installed in an existing Arriflex IIC. The price is \$1500.



The Brite-Arc Studio lamp, a 2500-W fill light for film and television studios, has been announced by GTE Lighting Products, Sylvania Lighting Center, Danvers, MA 01923. The new light source provides about 96 lm/W. Designed for use in follow-spots, broads and Fresnels designed for use with HMI-type lamps, the Brite-Arc lamps are said to be energy-saving in that they provide a high level of daylight illumination and a sustained high light output at a lower wattage than incandescent or tungsten-halogen lamps.



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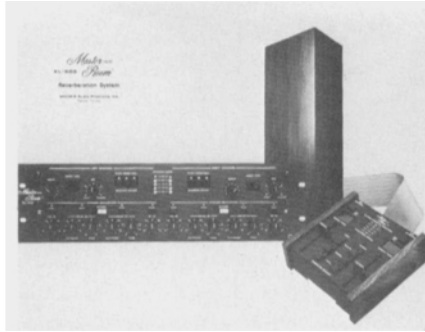
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The NV-8320 programmable VHS video cassette player/recorder, an addition to the Omnivision line, has been announced by Panasonic, One Panasonic Way, Secaucus, NJ 07094. The new unit employs 4-video heads for several special motion features and a direct drive capstan servo for high stability. It is equipped with a programmable tuner/timer that can be set to turn on and off and change channels up to eight times during a 14-day period. The unit also offers 2-, 4-, or 6-h recording capability. Other features include  $\times 9$  high speed search with picture at all recorded modes; still /slow/ $\times 2$  speed play operated by remote control in the 6-h and 2-h mode as well as noiseless slow motion at 1/20 to 1/4 normal speed. Other features include automatic Assembly Recording (AAR), crystal oriented HPF heads, a 4-digit tape counter with memory on/off; built-in RF modulator for CG3/CH4 selection and auto rewind at the end of the tape. Model NM-8320 has a front panel connection for video, audio, microphone or camera remote and a three-mode input select switch (line/tuner/TV). The price is \$1550.



The Master-Room XL-500, a reverberation unit combining both digital and analog technology, has been announced by MicMix Audio Products, Inc., 2995 Ladybird Lane, Dallas, TX 75220. The system provides three operational modes in full stereo to synthesize the reverberation characteristics of a live chamber, plate or concert hall. The control parameters allow a number of variations in each of the three modes providing a wide range of creative freedom. The continuously variable decay is adjustable from 1 to 6 seconds and the decay time is displayed on both the Main and Remote controls. The Main control unit is housed in a 5 $\frac{1}{4}$ -in rack mount package. All control functions are contained on the front panel and all signal connections (XLR) on the rear panel. The inputs and outputs are electronically balanced and can adapt automatically to unbalanced operation when used with single-ended equipment. The Remote control unit is provided as a standard feature with the XL-500 and includes a 25-ft cable that interconnects with the Main unit. The XL-500 is priced at about \$4750.

A digital graphic storage and retrieval system called the Electronic Still Processor (ESP) C Series has been announced by ADDA Corp., 1671 Dell Ave., Campbell, CA 95008. The system can store and retrieve 9000 graphic stills on standard computer-industry disk drive and retrieve any one of them in less than half a second, the announcement stated. Dual channel memory permits preview selection of stills and last-minute editing of graphics prior to on-air use, or the creation of multi-layer visuals from conventional video sources such as videotape, film, character or effects generator, and live camera or computer assisted and computer enhanced graphic production systems. Sources may be synchronous or non-synchronous. The control panel directs the man-machine interface with the new ESP C Series software. The new system has been engineered to allow system interaction and control by the SMPTE Time Code.



The Americam studio camera has been announced by CEI, 880 Maude Ave., Mountain View, CA 94043. Features include prism optics and superior registration controls. The price of about \$28,800 includes lens, tubes and viewfinder. Options include a full complement of lenses, remote control and triax.

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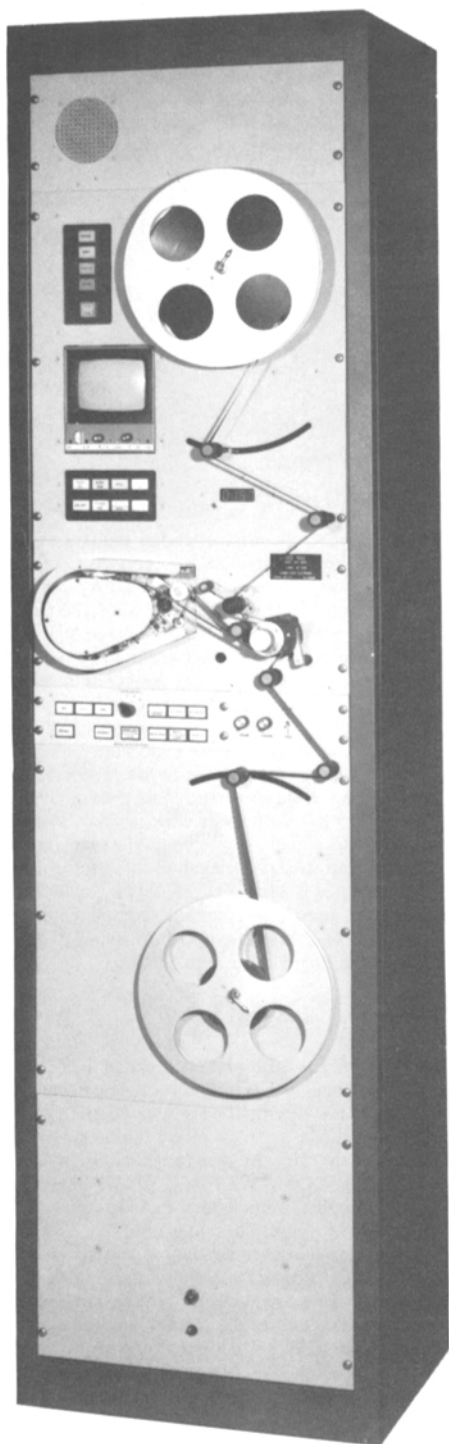
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A portable VHS videotape recorder designed mainly for industrial and educational applications has been announced by Sharp Electronics Corp., 10 Keystone Pl., Paramus, NJ 07652. Designated Model XA-600, the new VTR is designed for use with Sharp's XC-210 portable color camera. Features include 2-h record/playback capability, simplified insert and assembly editing, variable slow motion and still. Other features include the Automatic Program Search System (APSS)<sup>TM</sup> and soft-touch solenoid controls.

The insert function permits inserting new material at the beginning or middle of an exist-



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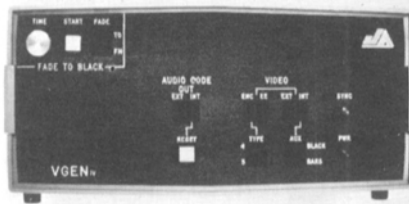
ing program, such as for adding titles or credits at the start of a program or illustrations to bridge existing scenes.

The Automatic Program Search System permits skipping ahead to the start of the next selection on the videotape or in reverse to the previous selection at the touch of a button. By pushing the APSS and fast-forward or rewind buttons, the next program selection is located and played back automatically. A newly designed microprocessor solenoid control system permits soft-touch and easy direct access to any operating mode, eliminating the need to push the "stop" button each time a mode is changed.

Price of the XA-600 is \$1250.



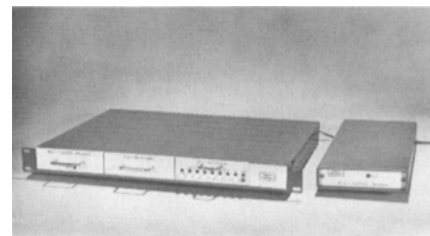
The DF-80 digital video filter designed to perform a two-dimensional edge enhancement or suppress noise in real time has been announced by Quantex Corp., 252 N. Wolfe Rd., Sunnyvale, CA 94086. The DF-80 redistributes the energy spectrum of the images so that subtle contrast variations (as small as 0.4%) can be viewed. Inspecting the processed images is typically less fatiguing to the eyes than raw video images. A logarithmic input function and high pass filter draws out details in dark parts of the images. Low frequency multiplicative errors caused by sensor nonlinearity or shading can be easily eliminated. The processed images can be mixed with the raw video to provide a natural looking enhanced image. Price of the DF-80 is \$22,000.



The Jatex VGEN SCENE-DEX time code generator, designed as a companion to the Jatex VSEC 42-TD video editing system, has been announced by Jatex, Inc., 2626 Freewood Dr., Dallas, TX 75220. The VGEN independently generates Jatex's 4-digit time code, the SCENE-DEX, and records it as audible tones on an unused audio track of the source material and master track. The VGEN reads the SCENE-DEX code and displays the four digits superimposed over the video image. The time code can be burned permanently into a work print by connecting the VGEN directly to a VTR during the recording process. The SCENE-DEX code replaces the SMPTE time code and provides the editor with repeatable identification of every video frame. Used in conjunction with the VSEC 42-TD edit controller, it becomes part of a total editing system.

Available options for the VGEN include:

NTSC-170A composite sync output (black burst); color bar generator; control for repositioning display characters; programmable variable fade-in and fade-to-black control; and a remote lock for freezing time code display on the monitor. Prices for the VGEN range from \$1295 to \$2200, depending on the options. Prices for the VSEC controllers range from \$1895 to \$5000.



A series of single wire encoded control modules has been announced by Torpey Controls and Engineering Ltd., 2220 Midland Ave., Unit 98, Scarboro, Ont., Canada M1P 3E6. The modules are designed to eliminate the large quantity of multiple conductor cables required between a telecine or videotape machine and a remote control panel. Up to 14 separate machine functions and 14 tallies can be encoded on one pair of wires and no special control panels are required. The broadcaster can convert to the encoded system as new equipment is acquired without affecting existing installations, or he may change to encoded signals throughout his plant on a step-by-step basis. Delegation of control between studios is simplified, as only a single conductor is used. A complete complement of modules for a machine-to-control panel would cost in the range of \$800 to \$1000.

A video earth station receiver called the Model AR1000 Simulchannel™ has been announced by AvanteK, Inc., 3175 Bowers Ave., Santa Clara, CA 94301. The receiver offers digital selection of any of the 24 video program channels available on SATCOM, WESTAR, COMSTAR and ANIK satellites. It includes a PLL demodulation system with threshold extension. The AR1000 offers simultaneous reception of any six of the transponder program channels, and four of the receivers can be cascaded to provide simultaneous demodulation of all 24 channels.

The AR1000 is used in conjunction with the AvanteK ACA-4220 LNA/block downconverter, a weatherproof, feedpoint-mounted, cable-powered assembly that converts the 3.7-4.2 GHz downlink band to the 940-1440 MHz frequency range. This frequency band was selected because it permits the use of lower cost, readily available coaxial feedlines and also falls outside of the UHF television broadcasting spectrum to help assure interference-free operation in metropolitan and nearby suburban areas.

When the earth station is equipped with an orthomode antenna feed, two LNA/downconverters and separate horizontal and vertical feedlines to the receiver, the AR1000 can automatically select the correct feedline for a given transponder channel number and can provide access to all channels, any six at a time. Packaged in a 19-in wide, rack-compatible cabinet 7-in high, the receiver is totally modular. Price of a full 6-channel Simulchannel receiving system including two LNA/downconverters is about \$15,000.

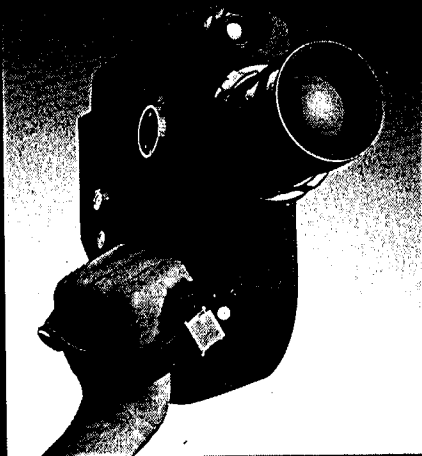
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The Bulgin Soundex Audio Multimeter has been announced by H. R. Kirkland Co., 8 King

St., Morristown, NJ 07960. It is a multi-purpose instrument that can be used for line testing and listening, peak program metering, amplification of microphone signals, calibration of peak program monitors, bench testing and other audio functions. The instrument combines a switched gain amplifier with 400-V peak instrumentation input and a full spec Peak Program Meter capable of audio program level measurements down to -72 dB with 0.1 dB accuracy at center scale as far as -50 dB. Amplifier input is fully protected to 400 V, isolated and balanced to prevent grounding when connected to a jack field. The 50  $\Omega$  impedance output has sufficient power to drive headphones. Gain settings are achieved by

means of eight pushbuttons on the front panel. Four other buttons provide ON/OFF, Battery Test, 600  $\Omega$  termination and access to a front panel variable gain potentiometer. The price is about \$490 with discounts available for quantity orders.



Two new accessories for Sachtler Camera Support Systems have been announced by Ar-riflex Corp., 500 Rt. 303, Blauvelt, NY 10913. A heavy duty counter-balance spring for all Sachtler fluid heads is available at a price of \$240 (\$80 for installation). The spring is intended for use with cameras that have a higher than normal center of gravity and can be used for ENG and other small to medium size video cameras.

Also available is a flat base adapter (shown above) which replaces the claw ball and permits all Sachtler fluid heads to be used on Mitchell and/or Pro Junior type tripod legs. The price is \$175 including installation.

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The Model 2200 Production Console designed to aid in video editing or production has been announced by The Winsted Corp., 8127 Pleasant Ave. South, Minneapolis, MN 55420. Modular design permits the user to rearrange the shelves for his convenience. The editor and switcher shelves pull out, away from rack mount cabinets for maximum working comfort. Angled steel monitor shelves support the heaviest loads. Two large (14-in rack height) equipment cabinets are provided for video equipment. The switcher turret has 17 1/2-in rack space to handle SEG and audio controls. Removable back panels allow rear access. The unit is priced at \$1483.