

## INTERNATIONAL]

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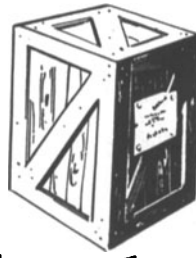
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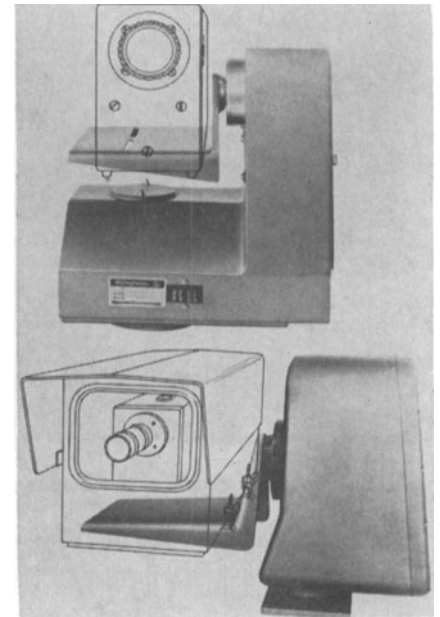
## new products (and developments)

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Further information about these items can be obtained direct 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 Wesscam stabilized camera mount for 35mm and 65mm motion-picture and television photography has been developed by Canadian Westinghouse Co., P.O. Box 510, Hamilton, Ont., Can. The device can be used in any mobile base, including helicopter, boat or auto. Developed originally for airborne surveillance work, the system eliminates the jiggles in aerial and high-speed ground photography and also provides remote control of a television or motion-picture camera. Basically, the system consists of a gyro-stabilized platform contained in a ball-shaped housing mounted outside a moving vehicle. The platform



inside the "ball" supports the camera which is operated via remote control by the cameraman riding inside the vehicle. The camera's reflex viewfinder is integrated with a closed-circuit television system that relays a picture of what is being filmed to a video monitor inside the vehicle. The camera can pan through 360° or tilt to a maximum of 90°. The Wesscam is available on a rental basis from John Lowry productions of Toronto and Los Angeles at a cost of \$400 to \$650 per day depending on the length of the rental and other factors.



Two new camera mounts, specifically designed to handle a wide variety of standard cameras in remotely controlled closed-circuit applications, have been announced by Video Information Dept., Westinghouse Electric Corp., P.O. Box 868, Pittsburgh, Pa 15230. The lightweight model is designed for indoor use. Pan and tilt motions up to 315° and ±45°, respectively, with adjustable limit switches are controlled by a four-way "joy stick" unit located up to 1,000 ft from the camera. It is priced at \$495.

The medium-weight mount is designed for outdoor use to support the camera and weatherproof housing. Pan and tilt motions, up to 340° and ±50°, respectively, are controlled from a remote unit located up to 2,000 ft from the camera. The medium-weight mount is priced at \$890.

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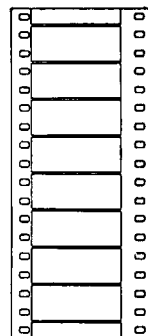
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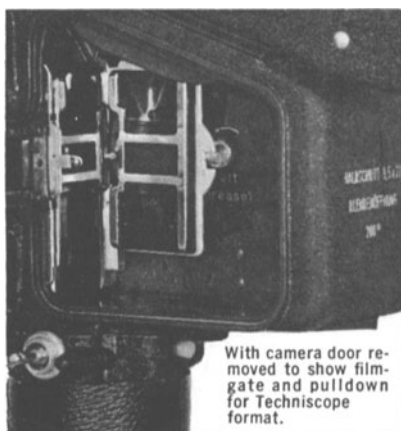
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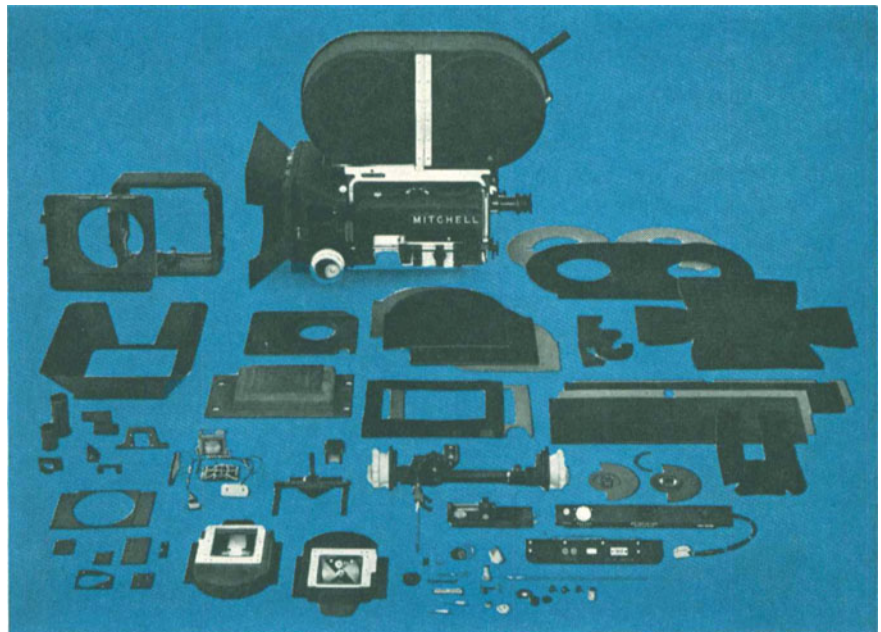
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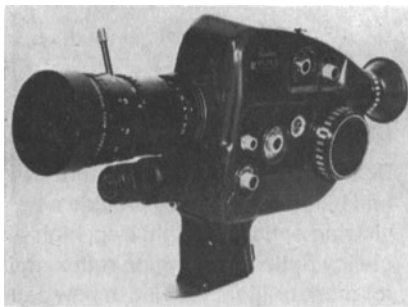
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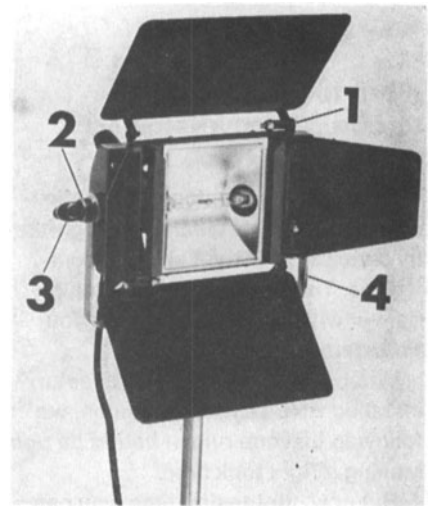
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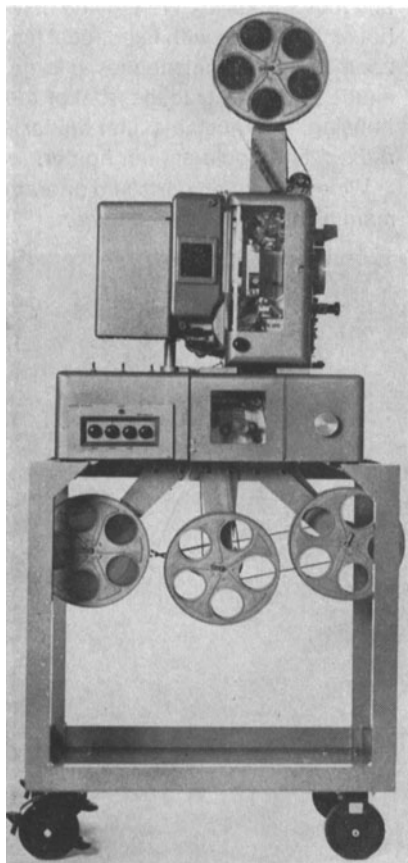
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The Beaulieu 4008S super-8 camera has been announced by Cinema Beaulieu, 14225 Ventura Blvd., Sherman Oaks, CA 91403. The camera resembles the 4008ZM (*Journal*, p. 605, July 1969) in that its viewing screen is identical with that of the 4008ZM as well as a number of other features that the two cameras have in common. The 4008S can be operated remotely at distances through the remote control cable or by radio. It is priced at \$699.



The Mini-Mac 650- and 1,000-W quartz lights, designed for broad fill and floodlighting applications for TV and motion-picture studios, have been announced by Bardwell & McAlister, Inc., Dept. 895, 6757 Santa Monica Blvd., Hollywood, CA 90038. The lights can be used also for still photography. Features include (1) specially designed spring-loaded hinges attached to each barndoor to provide stability; (2) a "thrust-bearing" unit inserted between the yoke and the lamphouse to maintain constant tension for more positive rotational control; (3) adjustment knobs coated with a permanent heat-resistant material to prevent burnt fingers and (4) a compact housing design to allow a significantly greater rotation within the yoke. The Mini-Mac 650 (Model 18011) is priced at \$38.95. The Mini-Mac 1000 (Model 18001) is priced at \$49.95.



The PT-35, a 35mm projection system incorporating the Simplex XL head and integral electronics, has been announced by Universal Projector, Box 2309, Toluca Lake Station, North Hollywood, CA 91602. The projector has a simplified film transportation system using one motor and a bidirectional film gate to permit positive bidirectional film control. The soundhead has centralized magnetic and optical transducers to eliminate nonsynchronized operation. Other features include a condenser system in the lamphouse that gives a high-intensity flat-field light output with prefocused tungsten sources ranging from 750 to 1,000 W, and a solid-state amplifier. The projector is priced at \$5,500.

The GE 1000-W Quartzline spot and flood lamps, designed to supplement daylight in outdoor motion-picture and television color work, have been announced by General Electric Co., Large Lamp Dept., Nela Park, Cleveland, OH 44114. The sealed beam PAR-64 lamps have a dichroic coating on the outside of their 8-in diameter lenses to filter out the red and yellow components of the light and transmit a cool color (with an apparent color temperature in the range of 5,000° to 5,500° K) which blends effectively with daylight. The light source is a tungsten-halogen filament tube. The lamps fit existing 1,000-W PAR-64 fixtures. The lamps are available as Narrow Spot, Medium Flood and Wide Flood. The price of each lamp is \$62.50.

The Starmax Super Zoom-8 BTL Movie Camera has been announced by Camera Specialty Co., 705 Bronx River Rd., Bronxville, NY 10708. The camera has a 14-element  $f/1.8 \times 6\times$  power zoom lens with manual override and two built-in drive motors for filming at 12, 18 or 32 frames/s. Other features include a behind-the-lens meter system for normal or backlight shooting. A needle pointer shows the diaphragm stop in the viewfinder and a warning signal in the viewfinder indicates over or under exposures while filming. The Starmax is priced at \$199.50.

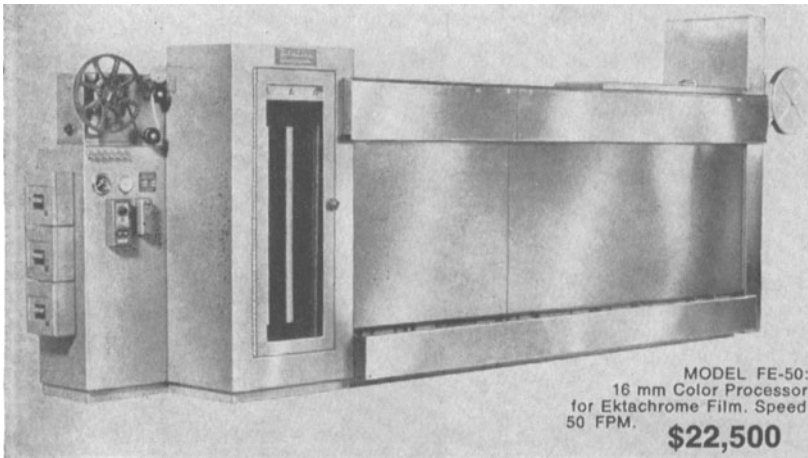
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A new super 8 camera, Model 375, featuring Focus-Matic, an automatic focusing system, has been announced by Bell & Howell, 7100 McCormick Rd., Chicago, IL 60645. It can be used for synchronized sound movies when used with the Filmsound 8 system and can be used for macro-zoom photography when used with an accessory wide-angle lens. It is priced at about \$95. Model 375 is one of a new line of super 8 cameras with prices beginning at about \$50. The camera weighs about one pound and measures 3½ by 2½ by 6¾ in.

A new super 8 projector designated Model 467Z has been announced by Bell & Howell, 7100 N. McCormick Rd., Chicago, IL 60645. The projector features Multi-Motion automatic rewind and instant replay. The Multi-Motion feature permits projection at 18 frames/s, 6 frames/s in both forward and reverse, in a still mode to freeze the action and in a step motion that allows the user to review films as slowly as 2 frames/s. The projector also features automatic rewind and threading, compatibility for both super 8 and 8mm film, and f/1.2 (19-32 mm) zoom lens and 400-ft reel capacity. It is priced at about \$199.95. The Model 457 silent movie projector was also announced. It is priced at \$144.95.

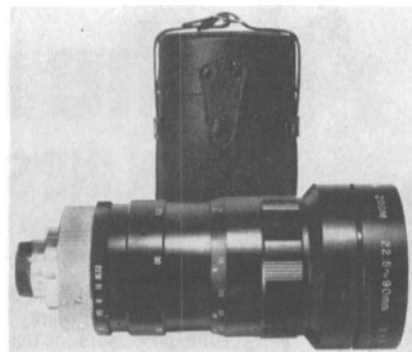
Motorized zoom lenses, the V6 × 16R and the V10 × 15R, have been announced by Canon U.S.A., Inc., 64-10 Queens Blvd., Woodside, NY 11377. Both lenses can be fitted into the same camera

housing and both have completely sealed construction, permitting use outdoors in any weather. The V6 × 16R has a zoom range of 6:1 from 16.5mm to 95mm. It has a maximum aperture of f/2, permitting work under most conditions of natural light. It has 18 elements divided into 13 groups and has a fully closing iris. A push-button control box operates the iris diaphragm, the zooming and the focusing at both fast and slow speeds.

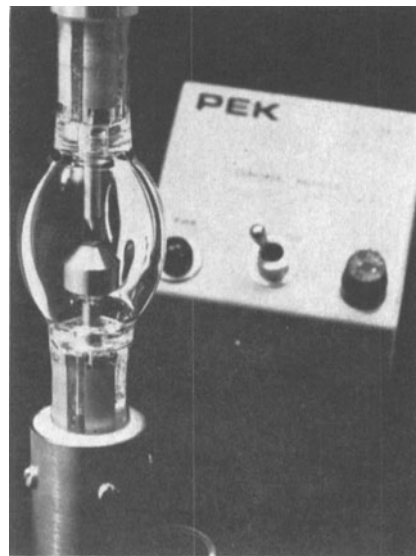
The V10 × 15R has the same dimensions as the V6 × 16R and is interchangeable with it since both lenses use C-mounts and can be connected to the same control box. The V10 × 15R has a 10:1 zoom ratio, from 15mm to 150mm, and has telephoto coverage with a maximum aperture of f/2.8 and a fully closing iris. The lens consists of 16 elements arranged in 12 groups. Spectra coating with amber and magenta colors is used for color correction.

Power consumption of the lenses is less than 10 W. Zoom time is about 4.5 s with speed control at FAST and about 7 s with speed control at SLOW from one end of the zoom range to the other. Price of the V6 × 16R is \$1,095. The V10 × 15R is priced at \$1,375.

A Soliger f/1.5 ITV lens for 16mm C-mount vidicon cameras has been announced by Allied Impex Corp., division of AIC Photo, Inc., 168 Carle Place, L.I., NY 11514. The lens features a 4× zoom range from 22.5mm to 90mm and the lens can be stopped down to f/22 where the lighting is



strong or for maximum depth of field. The new lens is designed especially for use in sports and news photography and for special applications where natural light conditions do not permit use of slower lenses. It is priced at \$400.



The SSX-1000A, a 1,000-W xenon short-arc lamp described as "self-starting" has been announced by PEK, Inc., 825 E. Evelyn Ave., Sunnyvale, CA 94086. The lamp, designed to eliminate the need for high-voltage ignition pulses to initiate discharge, has a solenoid-actuated striker which draws the initial arc and then retracts out of the actual arc area. The lamp operates a conventional xenon short-arc lamp after ignition. Features include spectral distribution of 6,000 °K and ribbon-seal construction to resist damage due to vibration or severe operating environments. The initial ignition of the lamp is accomplished by the small, movable striker which is extended by a brief current pulse through a surrounding coil mounted in the lamp base. The current pulse is controlled by a control module which provides an On-Off function, restarting time delays and a controlled starting current pulse. The lamp is priced at about \$390.

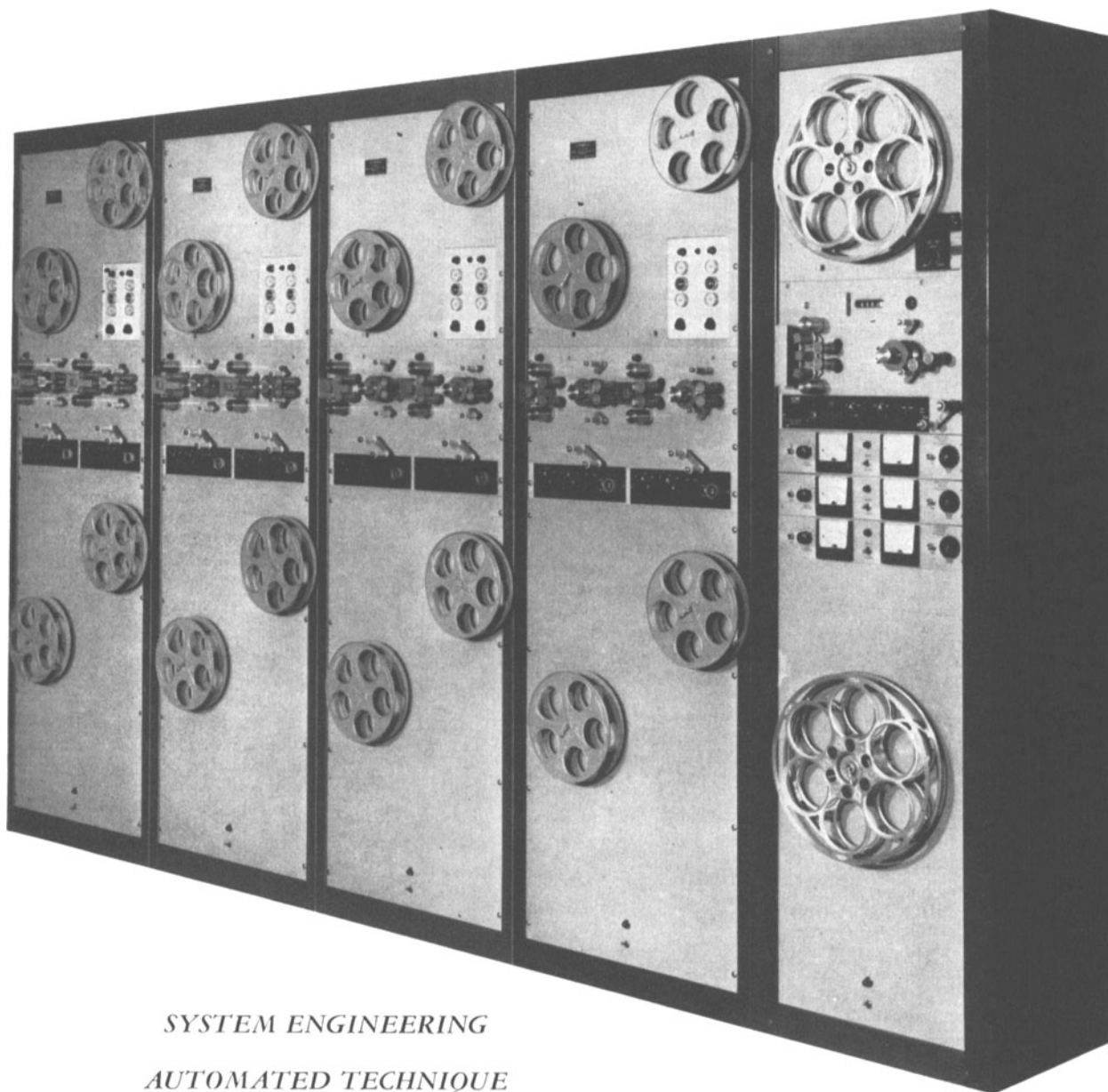
A new assembly of the Langevin AM4A housing to provide a more elaborate multitrack mixing for 4-, 8-, and 16-track recording and mixdown has been announced by Langevin, 1801 E. Carnegie, Santa Ana, CA 92705. The Design I system consists of 18 microphone/line input modules, eight program outputs, four reverberation send-and-receive circuits, a 1-16 to 1 mixdown network and amplifier for a basic sel sync and handphone cue

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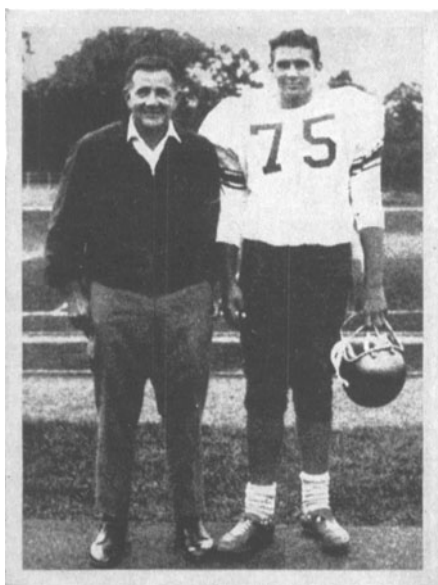
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system and VU meters for reverb-send control. All inputs and outputs are XL type connectors for ease of installation and interconnection with other gear. The Design I system is priced at \$16,500.

Other products announced by Langevin include the AM3A Mixer System. The AM3A consists of three related systems and housings: (1) AM307A program output metering and monitoring system with assorted line inputs up to +30 dBm, priced at \$475; AM301A—eight microphones and two outputs to +4 dBm, 600Ω, priced at \$1,450, and (3) EQ304 (priced at \$475) or EQ308 (priced at \$840), an accessory for the AM301A to allow 4- or 8-track recorder mixdown equalization.

**A new cathode-ray tube display system** featuring tri-color presentation has been announced by Telonic Systems, 21282 Laguna Canyon Rd., Laguna Beach, CA 92652. Designated the T Model 201 Tri-Color Display System, the system utilizes a 15-in cathode-ray tube and accepts up to three input signals and displays each in a different color, red, green and blue. The instrument incorporates plug-in vertical amplifiers for each input channel. The amplifiers are available in two versions, a basic unit with a range of 100 mV/in to 10 V/in and a high-gain differential model with sensitivity from 100 μV/in up to 100 V/in. Horizontal deflection is provided by an external source, such as a sweep generator, or internally by an optional time-base generator, also a plug-in unit. The Model 201 has been designed especially for use in electronics, medicine and education. The price range is from \$2,400 to \$3,550, depending on the number of channels (up to three) utilized and other plug-ins required.



**A new off-air television receiver**, designed for closed-circuit use, has been announced by Rank Cintel, the Broadcast Division of Rank Precision Industries Ltd, Bessemer Rd., Welwyn Garden City, Herts, England. The receiver enables RF television programs to be viewed on a video monitor. A number of monitors can be fed from this one source. Six pushbutton switches are located on the front for station selection. By changing certain keys on the assembly, any combination of RF bands and systems can be received, i.e., any combination of 405- and 625-line systems can be obtained. Contrast controls are provided for both systems. A small elliptical loudspeaker is located in the front panel to enable local monitoring of sound. The volume control is located in the On/Off switch. The unit is available in a 19-in rack-mounted version, or it can be enclosed in a wooden case. The basic unit weighs 12½ lb and is 19 in long, 13 in deep and 5½ in high. It is priced at below £100.

**A solid-state TV monitor** with an 11-in picture tube designed for industrial closed-circuit applications has been announced by Video Information Dept., Westinghouse Electric Corp., P.O. Box 868, Pittsburgh, PA 15230. The new monitor is intended to provide greater flexibility for closed-circuit system designers by filling a gap between the 9-in and 14-in units. The new monitor works from a composite video signal input of positive polarity with 525-line pictures at 60 frames/s. A two-position switch provides either low-impedance line termination or high-impedance bridging for connecting several monitors to the same signal line. The unit can be mounted on a standard 19-in rack or in its own cabinet. The cabinet-mounted monitor is about 11½ in high, 20 in wide, 11 in deep and weighs about 29 lb. It is priced at \$245, including the cabinet.

**A test set for 2.5 GHz ITFS transmitters**, designed to make all necessary FCC periodic checks, including transmitter frequency, power output and modulation, has been announced by Micro-Link Systems/Varian Associates, 19 Wartburg Ave., Copiague, NY 11726. The test set, plus an oscilloscope, provides means of ascertaining that the visual and audio carriers meet FCC operational requirements. The instrument is priced at \$4,100. A modified Telequipment S-54 oscilloscope is available at a price of \$450.

**Model VF 301 PM Optical Multiplexer** designed for the superimposition of projected images in closed-circuit television systems has been announced by Video Facilities, Inc., 353 W. 57 St., New York, NY 10019. Images from up to three sources are optically combined and projected directly to a television camera, making it possible to achieve special effects without complicated equipment. The multiplexer uses two optical prisms and two field lenses in a system that does not require an intermediate projection screen. The projectors, optics and TV camera are mounted on a formica table top occupying an area 48 by 60 in. The system, including the table top, is priced at \$1,195.



**The CVI Model 321 Video Analyzer** has been announced by Colorado Video Inc., P.O. Box 928, Boulder, CO 80302. The instrument acts as a sampling oscilloscope to give the equivalent of line selection at TV field rates allowing simplified analysis of video signal characteristics on the vertical axis. The vertical line selected video signal waveform is displayed directly on the screen of a normal TV monitor. This waveform is superimposed on the signal being analyzed in a 1:1 correspondence with vertical and horizontal markers being used to provide rapid identification of any individual picture element. The 321 also has chart recording capability derived from a second sampling circuit which provides a dc voltage proportional to the

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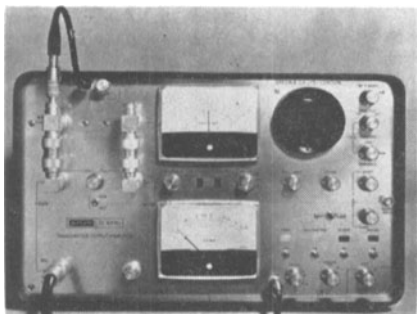
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amplitude of the video signal under the marker crosshairs. The video analyzer can also be used as an X-Y coordinate indicator of significant video detail. It is priced at \$2,500.

A transmitter output analyzer, called the TG-2400, compactly designed to do the work of a wattmeter and other instruments, has been announced by Green Electronic & Communication Equipment Ltd., 79-91 Braemar Rd., London N.15, England. The



TG-2400 will continually monitor a radio transmitter's power output and its carrier (modulation envelope). Used as a wattmeter, it has a range of 0 to 1,000-W mean, or 2,000 W peak-to-peak, over a frequency of 2 to 500 MHz. Construction is based on the modular principle and the instrument comprises separate 50-Ω and 75-Ω absorption structured monolithic load units, the same values of absorption wattmeters and of VSWR indicators, two-tone oscillators, RF envelope display and conventional

oscilloscope. These can be combined to perform as a complete RF source or transmitter test unit on single sideband, AM or CW.

The 5 cm<sup>2</sup> working-area oscilloscope tube is connected to a Y-amplifier with a sensitivity of 100 mV/division and a bandwidth of dc to 30 kHz. Time base ranges are 10 Hz, 100 Hz, 100 kHz and 10 kHz, variable between limits from zero to maximum speed of 100 ms/division. The X input has a bandwidth of 3 Hz to 200 kHz, and a sensitivity of 8 V rms/division.

The BPA series of solid-state active band-pass filter arrays has been announced by Spectrum Instruments, Inc., 102 Columbus Ave., Box 474, Tuckahoe, NY 10707. The BPA-1 Analog Filter Array incorporates basic features required for general audio frequency work, including a center frequency span from 20 to 10,000 c/s, 28 third-octave spaced filters with individual sliding attenuators, a relative high signal handling capacity and a master attenuator. The BPA-1 is essentially a frequency-domain equalizer and may be inserted in an audio channel to reshape response. It is intended especially for electronic music studies and intelligibility enhancement. The BPA-1 is priced at \$1,495.

Two new make-up kits are available from Research Council of Make-Up Artists Inc., 52 New Spaulding St., Lowell, MA 01851. Kit #8, Customer Introductory Kit, contains Color Process Foundation, Check-

color, Shading, Countershading, No-Color Powder, Lipcolor and sponges. It is specially priced at \$11.95. Kit #9, Beauty Salon Student Kit, is designed for training purposes in make-up and beauty salons. It is priced at \$20.95. Other new products announced by RCMA include eyelashes (\$5.00 a pair), a new translucent powder and Genacolor, a new product for skin coloration to be used with Color Process Foundation to give a natural glowing look.

Thomas J. Valentino Inc., 150 W. 46 St., New York, NY 10036, producer of Major records has released six new albums to increase the Major Background Production Music Library to more than 65 hours of modern music. The new material includes electronic music, hard-rock, string compositions, contemporary small group arrangement, descriptive travel sequences for various countries and new musical selections in the space category. The sound-effects library has been increased with two new long playing records for a total of some 500 sound effects on 14 12-in LPs. Both the Major Background Music Library and the Major Sound Effect Library are available on LPs and ¼-in tape.

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