

# 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.

**Erratum:** There is given below information to correct errors regrettably published in the October 1971 issue of the *Journal*:

On page 870, New Products item, third item in col. 2, "The Kinoptik . . ."

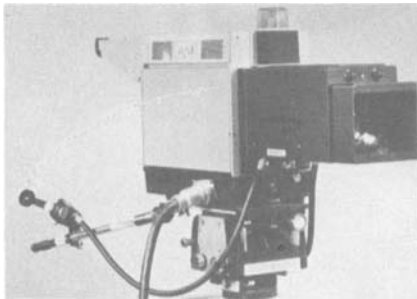
For: 100mm f/8 telephoto lens

Read: 1000mm f/8 telephoto lens

Also, in the same item

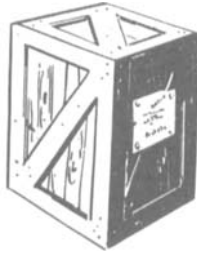
For: Alpha

Read: Alpa



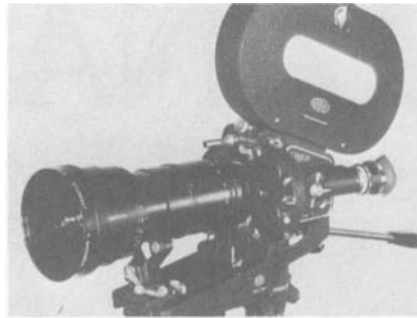
**The TK-44B Plumbicon color TV camera**, an improved version of the TK-44A (*Journal*, p. 66, Jan. 1971), has been announced by RCA Government and Commercial Systems, Moorestown, NJ 08057. It is designed to be more than twice as sensitive (operating at 5 fc) and much quieter in terms of SNR than the earlier version. Features include "bias light," a system for minimizing scene lag when the camera is operating under very low light conditions, and a contrast-compressor which allows transmission of picture detail in deeply shadowed areas without clipping whites. A new video amplifier uses an electron "corer" circuit to strip away high-frequency picture noise. A technique of aperture correction to enhance image edges without significantly increasing background noise combines a "comb" filter with the electronic corer to suppress edge beats and high-frequency noise. The lens, prism and pickup tubes mount to a specially designed optical bedplate of cast aluminum to eliminate shifts between lens, prism and tubes.

The camera control electronics consists of a set-up and control panel, two auxiliary units and a power-supply unit in rack-mount configuration. Rack space required is 26½ in, not including picture and wave-



form monitors. The camera automatically adjusts the timing of its drive pulses to the length of the camera cable and built-in adjustable video equalization compensates for as much as 3000 ft of camera cable. The camera has a self-regulating power supply which covers automatically for voltage and frequency variations.

The camera set-up requires but one man working at the control panel. A pushbutton operated, motor-driven lens cap provides an instant black reference for set-up. The control panel has a black level control at the left, a lens-iris servo control at the right and three calibrated, step-type paint pots in the middle which can be used to alter camera color balance temporarily. The viewfinder is mounted for quick change to facilitate replacement in a few seconds. The TK-44B is priced at about \$80,000.



**A new 20-120mm f/2.6-T/3.0 Angenieux Zoom Lens** for Arriflex 35-2C cameras has been announced by Arriflex Corp. of America, 25-20 Brooklyn-Queens Expy. West, Woodside, NY 11377. The new lens is about ¼ of a stop faster than previously available zoom lenses for the 35mm format making it possible to make color films at proportionately lower light levels. The lens has an extra wide field, the short 20mm focal length covering a field of 68.5, thus allowing greater freedom of camera movement and making it easier to work in tight spaces. The lens can focus down as close as 3 ft measured from the film plane permitting extreme close-ups. Price of the new lens is \$5,740 including a heavy-duty Bayonet Lock Mount.

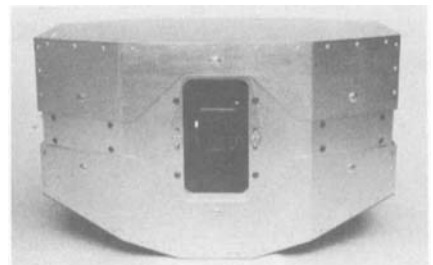
A new 9.5-57mm f/1.6-T1.9 lens has also been announced for the Arriflex 16mm line. The lens focuses down to 2 ft (measured from the focal plane). At the 9.5 focal length, the field of the lens is 68°. At f/1.6-T1.9 the maximum aperture of the lens is about ¼ of a stop faster than comparable lenses. The price of \$1,325 includes a heavy-duty Bayonet Lock Mount.

**The CP-16**, a single system/double system sound 16mm camera, has been designed and built by Cinema Products Co. and is distributed in the western United States by Alan Gordon Enterprises Inc., 1430 N. Cahuenga Blvd., Hollywood, CA 90028. The camera has a lightweight (9 lb) magnesium body. Its drive system consists of a dc motor, a crystal-control circuit and a compact plug-in rechargeable NiCad battery all located within the camera body. A battery eliminator permits camera operation from an ac line while the battery is being recharged. The camera accepts 400- or 1200-ft Mitchell magazines. Features include a removable hand grip with

a built-in start switch, a quick-release magazine latch and a single-lens turret designed for use with all "C" mount lenses. The CP-16 is priced at \$3,850.



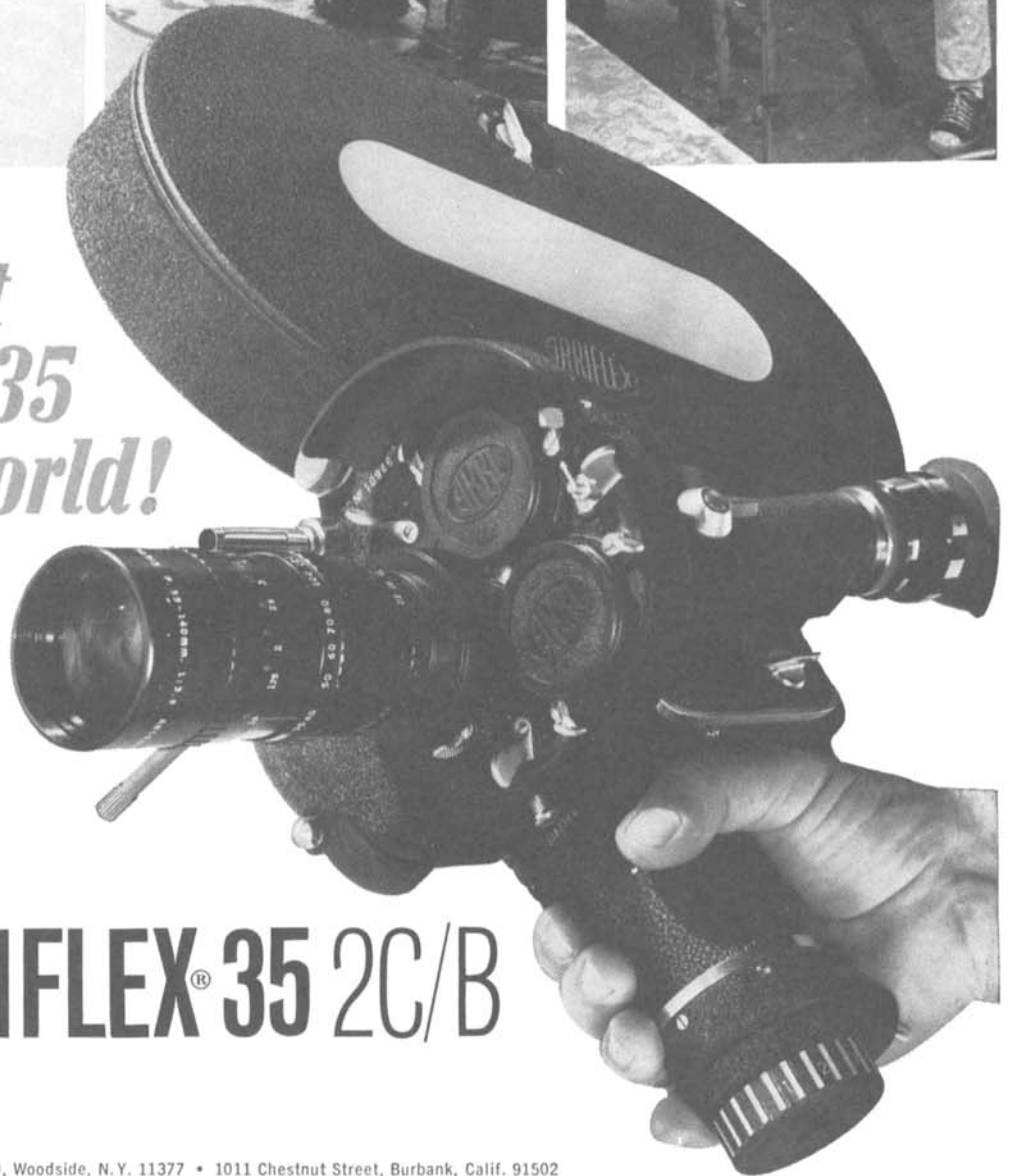
**The Leicica Super RT 1**, a design advance over the Leicica Super super 8 camera (*Journal*, p. 760, Aug. 1970), has been announced by E. Leitz, Inc., Rockleigh, NJ 07647. The new camera has automatic lap and double exposure capabilities. It also has a new low speed setting of 9 frames/s in addition to the previous settings of 18, 25 and 54 frames/s. Also new is a positive zero position built into the frame speed selector button which switches off all systems to avoid inadvertent power leaks when the camera is not in use. Main control elements have been re-positioned for greater convenience and smoother operation. Features of the Super RT 1 include an electronic automatic control unit designed for remote control by means of a radio signal, photo cell, acoustic signal or mechanical release. The unit permits synchronized single frame shots with flash and has a wide range of time lapse possibilities including non-stop recording for up to 12 days without film cassette change. A single frame counter simplifies double exposure, animation and other special effects photography. A built-in synchro-generator permits lip-sync sound filming. The automatic exposure control continuously regulates exposure during filming in changing light conditions and permits rapid selective exposure measurement in extreme light conditions throughout the focal length range without a close-up reading. A CdS measuring cell, part of a Wheatstone bridge circuit, controls a midget motor by means of an integrated amplifier which opens or closes the symmetrical diaphragm in the lens. The Super RT 1, with 8-64mm Leicica Vario f/1.9 lens, is priced at \$867.



**The Mark 3 Gyro Camera**, a newly developed system of stabilized cinematography, has been announced by Frank Gudaitis Enterprises, 25 Riverside Ave., Mastic Beach, NY 11951. The camera, a 16mm instrumentation type, has a 400-ft film capacity and an intermittent pin-registered movement. It is gyroscopically stabilized for pitch and roll. An hydraulic suspension



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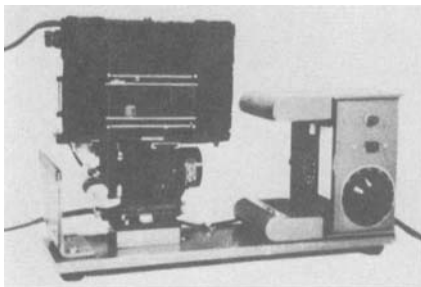
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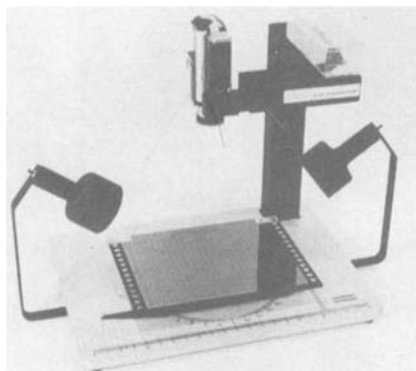
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system has been developed to absorb shock loads in excess of 50 g. The camera is mounted within a welded steel tube frame. An aluminum housing measuring 11 by 14 by 20 in provides protection against aerodynamic and other environmental influences. It weighs about 32 lb. The price is about \$8,500.



Three 35mm instrumentation cameras called Robot Motor-Recorders, Models 36BE, 24BE and 18BE, have been announced by Karl Heitz Inc., 979 Third Ave., New York, NY 10022. The cameras have integrated electric motors, 24 V dc or 12 V dc. Each camera can accommodate any one of a number of quick-change lenses from 360° extreme wide-angle up to 1000mm extreme telephoto. In addition, a built-in second lens with mirror and shutter on the camera top superimposes an 8 by 8mm image into the corner of the picture which (according to which model of the camera is used) is 24 by 36mm, 24 by 24mm or 18 by 24mm. A Robot instrument panel with clock, counter, data plate

and rheostat-controlled illumination permits automatic recording of time, picture number and any other desired information into each frame. Electro-magnetic remote releases, time control units and interchangeable 30-, 100-, 200- or 500-ft magazines provide up to 12,000 uninterrupted exposures without rewinding. The cameras are priced at \$699 (36BE and 24BE) and \$799 (18BE) without the main lens. The Robot instrument panel is priced at \$399. The electro-magnetic remote release is priced at \$55.95. A 500-ft magazine with integrated electric motor (24 V dc) is priced at \$999.



Two new animation stands have been announced by Oxberry Div. of Richmark Camera Service, Inc., 516 Timpson Pl., Bronx, NY 10455. The Oxberry Animator 8 is a desk-top super-8 animation stand. The Animator 8 uses Graphic Arts punch

and pin registration, an Oxberry field-guide system for calibration and work plotting and a pantograph reference for pinpoint panning and tracking. A camera is available with single frame, multiple speed live-action and time-lapse modes, with fades, dissolves and 4:1 manual and power zoom. The viscous-damped compound table is designed to assure "ease-ins," "ease-outs" and constant panning speeds. The basic assembly, consisting of the animation stand, camera "A," compound table, pantograph systems, spinning disc, field guide and registration system, puppet stage, paper cel board, platen, panning guides and accessory art kit, is priced at \$595.

A second animation stand is a 35mm stand featuring the Oxberry Filmstrip/Slide Camera with single and double frame. Other features include a control console with multiple exposure, electric frame counter, time exposures and a viewfinder from 22 to 1:1 field. The stand also includes a 55mm f/3.5 micro-Nikkor lens, a mahogany table top, underlight unit for transparencies and a reticle projection system for accurate alignment of artwork. It is priced at \$7,800.

The 105UV, a water-resistant and mar-resistant quartz substrate ultraviolet polarizing filter, has been announced by Polacoat, Inc., 9750 Conklin Rd., Blue Ash, OH 45242. The filter is functional from 220 nm to 700 nm and polarizes in both the visible and ultraviolet ranges. The quartz base polarizing filters are designed to last for an indefinite length of time and to withstand repeated exposure to visible, ultraviolet, and infrared radiation without deterioration. The polarizers can be produced in any size in which the quartz substrate is available. Prices range from \$75 for a filter 19mm in diameter to \$105 for a 2- by 2-in square.

Three new monochrome monitors have been announced by Audiotronics Corp., 7428 Bellaire Ave., North Hollywood, CA 91605. All three are of modular construction with special plug-in circuit modules and front operating controls. Models MMA16 (16-in) and MMA19 (19-in) have a horizontal resolution of 640 lines or better. Features include audio systems with integral 3-W amplifiers and 6-in side-mounted speakers. MMA16 is priced at \$280 and MMA19 is priced at \$295. The 23-in monitor/receiver, Model MRM23 (23-in) has a horizontal resolution of 600 lines. Features include a full-power audio system with 8-W amplifier and two front-mounted 6-in speakers. It also has a video drive to enable it to drive VTRs, monitors and other monitor/receivers. It is priced at \$365.

A new character generator, Model D-2400, has been announced by Datavision, Inc., 2351 Shady Grove Rd., Rockville, MD 20850. It allows simultaneous presentation of two different page displays, making it possible to use a title on-air while preparing, changing or previewing a different title on the preview output. The D-2400 weighs about 17 lb and can be used with remote van equipment as well as in the studio. It can also be used at the transmitter for emergency stand-by information. Features include large characters, 32 scan lines high; four-page, two-channel

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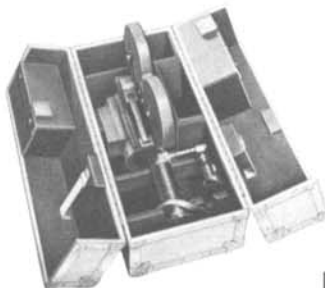
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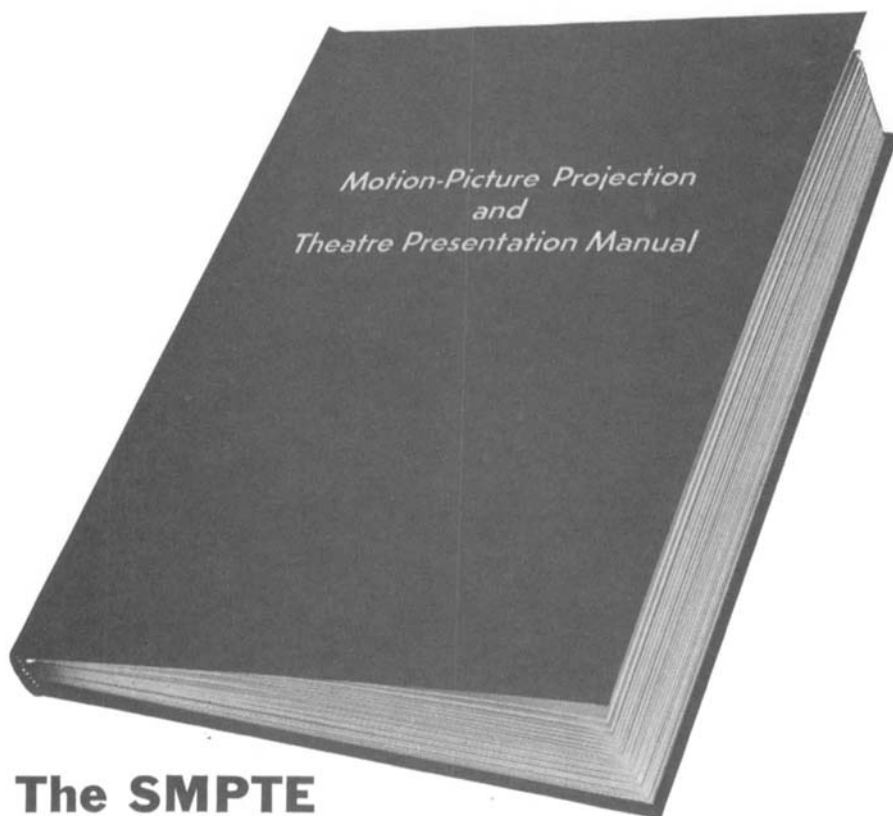
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## The SMPTE Motion-Picture Projection and Theatre Presentation Manual

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display capability; one-row horizontal crawl; cursor editing; 16 characters each in eight rows of display, per page, and external storage using standard audio recording techniques. The D-2400 accepts EIA sync or composite video for proper signal mixing through the standard video switching device. The character output can be treated as a standard video source and supered, keyed, colorized or matted against other video signals in a video switching system. The D-2400 is priced at \$4,500.

**Two new helical scan videotapes** featuring a new binder system and designed for better dropout performance and longer tape life have been announced by Ampex Corp., 401 Broadway, Redwood City, CA 94063. The new backcoated tapes are the 162 Series for use with all Ampex 1-in videotape recorders and the 164 series for use with all ½-in videotape recorders manufactured in Japan and operating on the EIAJ standard. The new thermoset binder system results in more cohesive arrangement of binder particles than previously possible. It permits tape life of over 500 head passes, video ANR of 45 dB with the 1-in tapes and 47 dB with the ½-in tapes. Stop motion viewing is possible for 20 min with the ½-in tape and for 15-min with the 1-in tape before picture degradation sets in. The tapes are available in hour and half-hour lengths. A one-hour reel of the 162 Series is priced at \$54 and at \$39.95 for the 164 Series.

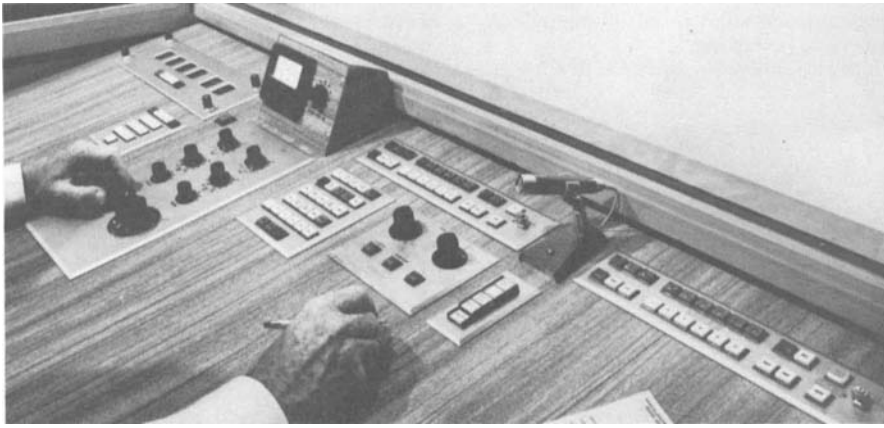
**New tripods and accessories** have been announced by Birns & Sawyer, Inc., 1026 North Highland Ave., Los Angeles, CA 90038. VG100 and Baby Legs tripods are available in flat-top and ball-top configurations for every fluid head. The VG100 has been designed for use with the Arri 16, 16S and 16M; Bell & Howell Filmo; Cine Voice; Bolex and Beaulieu. The VG Jr. with V-grooved tripod legs is priced at \$110. The Baby Legs version with ball-top casting is priced at \$120.

The VGM200 is a medium-weight tripod designed especially to carry new sound cameras, such as the Eclair, Arri BL, Pro 600, Mitchell 16, etc. It is available with ball socket top casting and ball adapters in both long leg and baby leg versions. The price is \$195 with a ball adapter.

The VGH300 is a new version of the Mitchell-type, heavy duty professional tripod designed to accept all heavy-duty friction, fluid or geared heads, such as the O'Connor 100 and 200, Worrall, etc. The price is \$160.

A new professional fluid head with all-weather fluid can support 35 lb of camera weight. It is priced at \$329.50.

**The Tangent mounting head** for TV and motion-picture cameras has been announced by HF Photo Systems, 11801 W. Olympic Blvd., Los Angeles, CA 90064. The mounting head has been designed for balance under load with little, if any, drag at any angle of the 45° up or down tilt. It moves with fingertip action while maintaining stability. Drag and lock controls are incorporated. Models are available for load capacities of 25 to more than 200 lb. Prices begin at about \$500.



# WESTERN Cine EQUIPMENT RENTAL and SALES

**The Auto-Loop**, an electronic system that performs post-sync sound recording automatically without cutting and splicing film loops has been announced by RCA Government and Commercial Systems, Moorestown, NJ 08057. The system can be used for dubbing new soundtracks on foreign language films, re-recording location "takes" and for providing multi-language versions of industrial and TV films. The system includes a 35mm projector, a master 35mm three-track magnetic recorder, a 35mm magnetic reproducer, an interlock motor system and an

electronic counter which can be programmed to control automatically the operation of motor circuits and audio circuits at pre-determined footages. With the system in operation, picture and sound are interlocked and shuttled between pre-selected footages. Start and stop footages are selected electronically by pushbuttons and can be checked on a visual display.

The system is described in detail in "A Motion-Picture Looping System Employing Computer Techniques" by D. R. Brewer in the October 1971 issue of the *Journal*.

**The Sennheiser Portable Audio Mixer Model M 101** is available as an optional modification to the KEM Universal Editing Table from KEM Electronic Mechanic Corp. or Intercraft Corp., both at 225 Park Ave. S., New York, NY 10003. When prepared for the KEM, Model 101 provides four separate magnetic sound channels. It is removable from the table by a distance of from three to four feet and receives its power from the KEM. As part of the modification, output jacks for the mixer are built in under the KEM's front lip. Cables from that point plug into the M 101's left side battery compartment which is modified with additional amplifier stages for 1.5-V balanced audio levels. The regulated signals can then be fed from the Sennheiser mixer to the line input of a Nagra or Stellavox or to dubbers in a distant room. The Sennheiser mixer modified for the KEM retains its battery-operated field functions; when removed from the KEM editing table, the KEM amplifier becomes functional in the usual way. Price of the unmodified M 101 is \$1,240. Price of the modification, including installation, plugs and cables is \$1,900.

**The addition of eight-track recording tape cartridges** to complete its line of audio recording tape products has been announced by Memorex Corp., San Tomas at Central Expressway, Santa Clara, CA 95052. The eight-track cartridges are available in 40-, 64-, and 80-min configurations. In addition, the Memorex line now includes 5-, 7-, and 10½-in polyester reels; 30-, 60-, 90- and 120-min low noise, high output cassettes and 60- and 90-min chromium dioxide cassettes.

**Chromalog 60**, an automatic 16-filter spectrophotometer and four-filter tristimulus colorimeter, has been announced by

The Martin Sweets Co., P.O. Box 1068, Louisville, KY 40201. The machine is designed for in-plant and multi-plant color control, color matching formulation and shading. It can measure all 20 data points in 60 s. As a filter spectrophotometer Chromalog 60 covers the visible spectrum from 400 nm to 700 nm in 20 nm intervals by utilizing 16 narrow band interference filters. The four colorimetric filters are custom ground and matched to the response of the phototube so as to duplicate the CIE Tristimulus Functions X, Y, Z (human eye response). Fluorescence is excited and measured in both cases without need of an additional light source. The basic machine is priced at \$5,800. The filter set, including four tristimulus and 16 narrow band filters, is priced at \$1,400.

**Photographic step tablets**, SRM 1009, are available from the Office of Standard Reference Materials, Room B314, Chemistry Bldg., National Bureau of Standards, Washington, DC 20234. The step tablets, designated Type Visual V1-b, are certified for diffuse transmission density in conformance with conditions specified by ANSI Standard PH2.19-1959, Diffuse Visual Density, Type V1-b. The step tablets are 3.5 by 25 cm and have 21 steps of density ranging from 0 to 3. They are individually certified by a method having a precision such that three times the standard deviation of the mean is 1% or 0.01, whichever is greater.

Previously, the Bureau had calibrated step tablets submitted by users. However, the arrangement was unsatisfactory since the tablets were often not sufficiently uniform for precise measurements, so it was decided to provide a central source of calibrated step tablets. The step tablets are used in calibrating densitometers, microdensitometers and x-ray equipment; in

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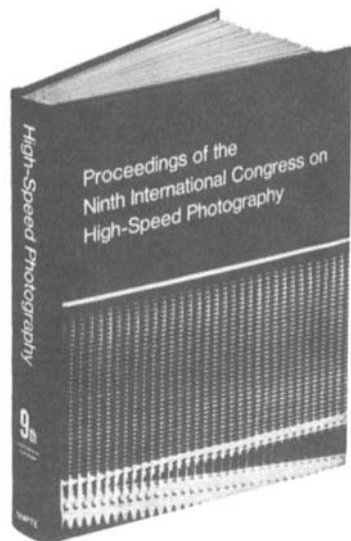
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## New advances in high-speed photography



The most recent advances in the technology of photo-instrumentation have been made available to the scientific community in the *Proceedings of the Ninth International Congress on High-Speed Photography*.

The volume includes the 107 papers presented at the Congress in Denver, Colorado on 2-7 August 1970, together with all pertinent discussion of the papers during the technical sessions. Subject areas covered in the volume are

holography and image-dissection cameras, lasers, rotating mirrors and streak cameras, light sources and x-rays, and high-speed photographic applications.

In addition, a Current Bibliography on High-Speed Photography, prepared by the Research staff of Eastman Kodak Company especially for the *Proceedings*, will prove valuable as a research tool. A report on the Congress, a list of delegates, and an index of authors and discussers complete the volume.

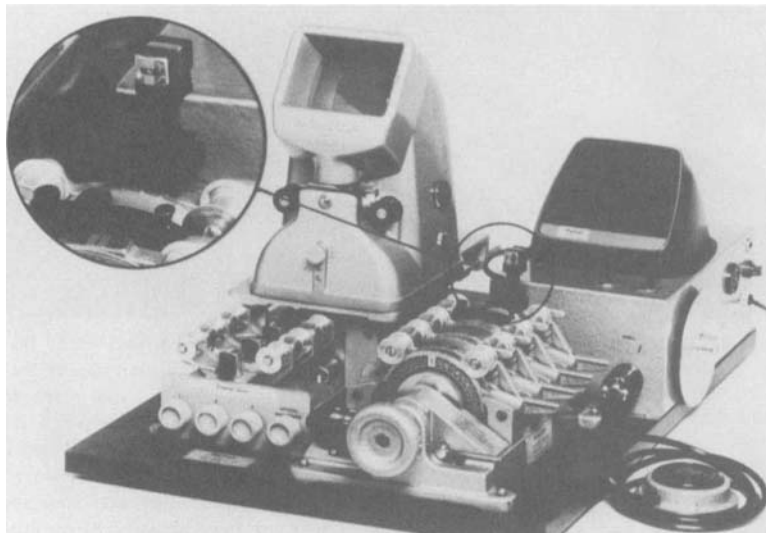
The book comprises 605 pages, 8½ x 11 inches, in hardbound edition. The price is \$40.00 each, with discounts to SMPTE members, libraries, and booksellers: 1 to 4 copies 20%; 5 to 49 copies 25%; 50 or more 33⅓%.

**Society of Motion Picture and Television Engineers**  
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sensitometry; in determining exposure of photographic material and in quality control of film processing.

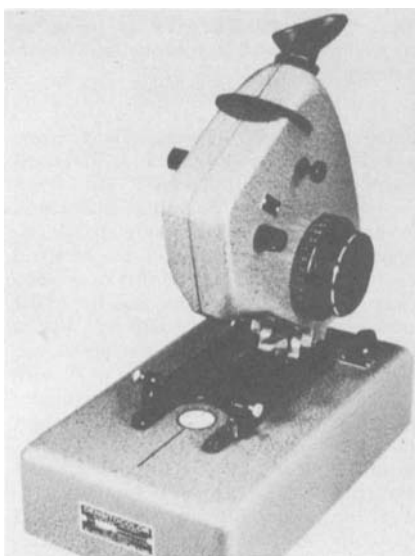
The step tablets are priced at \$54.

and soundtracks can be transported forward or reverse at motorized sync sound speed or any other desired speed by hand winding.



A new editor for synchronous editing and mixing of one to three 16mm double system magnetic tracks with a 16mm picture has been announced by Filmkraft Service, Dept. V, 6850 Lexington Ave., Suite 217, Hollywood, CA 90038. The machine is available in two models, 16 M3 and 16 O/M. The 16 O/M can also reproduce single system 16mm optical or mag-stripe tracks in sync with the picture and can combine double system 16mm magnetic tracks for multiple editing. No part of the picture area is touched by the single system optical or mag-stripe reader during operation. Both models can be used on any standard editing bench between two standard rewinds with extended shafts. A 4-gang synchronizer is used to transport the film. It is automatically coupled or uncoupled to a synchronous motor. The film

Pressing a footswitch triggers a clutch engaging the synchronizer to a synchronous motor (24 frames/s) which then transports the film and soundtracks from left to right at sound speed. When the footswitch is released an instant stop (within one frame) is effected and the synchronizer becomes disengaged, allowing for editing, rewinding, marking or a second viewing. The double system magnetic tracks run with the emulsion side down. A 16mm Zeiss Ikon Moviscop viewer, used for picture viewing, can be instantly removed from the editor and used separately. The 4-gang synchronizer can also be removed for separate use. The machine incorporates a built-in solid-state amplifier, speaker and 4-channel mixer. The soundtracks can be lifted from the magnetic heads without losing sync. Prices begin at \$1,385.



The **Densitocolor**, a visual comparison type of densitometer, has been announced by Karl Heitz, Inc., 979 Third Ave., New York, NY 10022. Designed to provide reproducible transmission and reflection density readings from 0-4 in black-and-

white and 0-3 in color, the instrument can measure negatives or slides on areas as small as 0.02 in square with an accuracy of  $\pm 0.02$ . The machine operates on voltages of 110 to 220 ac. A specially developed light attenuation system is incorporated to maintain the same color temperature at any light level. The system includes a calibrated metal diaphragm and moving track to permit continuous exact light reduction without need for variable density wedges. The **Densitocolor** is priced at \$359.90. The price includes five matched spare bulbs. A clip-on pressure plate is available at a price of \$10 and a 35mm film guide is priced at \$5.00.

A manually operated additive lamphouse called the **CE-ALH-3MO** has been announced by Carter Equipment Co., 232 S. Glasgow Ave., Inglewood, CA 90301. The lamphouse consists of an adjustable lamp, lenses, conventional dichroic filters and cooling blower and housing. The system is designed to provide controlled light for one-light printing, permitting compensation for color and intensity requirements of individual preprint materials without the use of filters or voltage adjustments.

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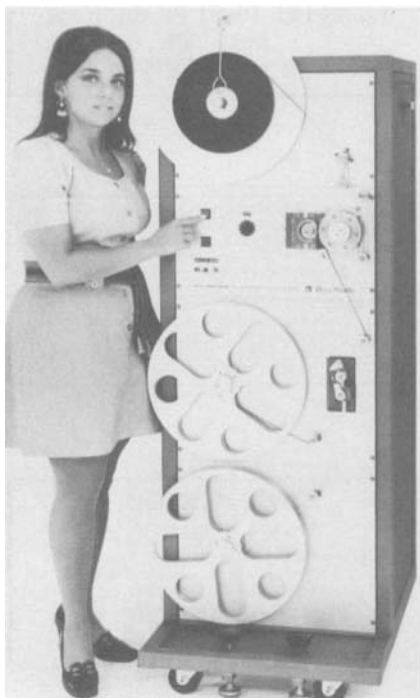
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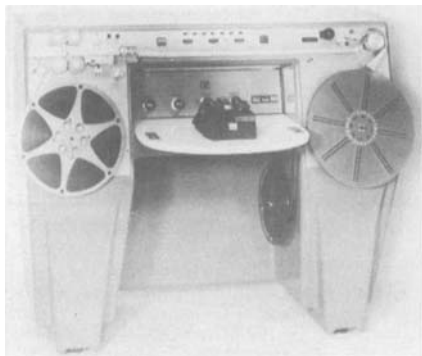
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**The Bell & Howell Motion Picture Film Slitter, Model 6042B,** has been announced by Bell & Howell, 7100 McCormick Rd., Chicago, IL 60645. The machine has a high-carbon, high-chrome cutting blade to provide cutting within  $\pm 0.0003$ -in slitting tolerance and longer life between sharpenings. The slitter operates variably up to 500 ft/min and has a 2,000-ft film supply and take-up capacity. Solid-state electronics control soft starts and speed adjustments. The slitter has three adjustment controls. A simple threading path minimizes film handling. The recessed cutting blade is guarded by a plastic shield and is easily removable for sharpening. The price is \$3,850.



**The Paulmar Model 9000 T/L Film In-**

**spection Machine** has been announced by Paulmar, Inc., 464 Central Ave., Northfield, IL 60093. In operation, a film reel is placed on a spindle, the film is inserted and a button is pressed. The film is automatically threaded onto the self-threading take-up reel. The entire film, including the full leader, is cleaned and lubricated. Rewind is automatic. The operation continues until a defect passes through the sensors or until inspection has been completed. The machine has a self-checking detection system that verifies accurate defect sensing before every inspection cycle. It performs at all inspection speeds with speed control adjustable at the front control panel. Inspection speed can be 1000 ft/min or can be as slow as normal viewing speed. The 9000 T/L is priced at \$5,995.

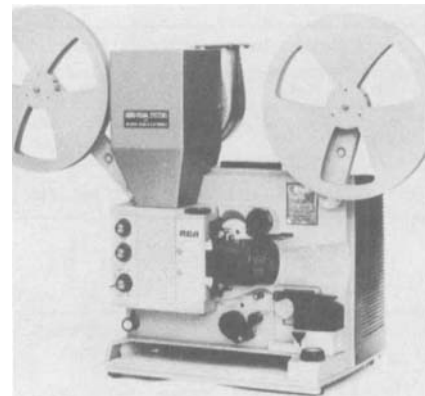
**Four new xenon lamps** have been announced by the ITT Electron Tube Div., P.O. Box 100, Easton, PA 18042. The lamps are air-cooled and designed to provide good color transfer and a stable, flutter-free illumination source. They are intended specifically for motion-picture and slide projection systems. Model F-971 (450 W) is priced at \$175; F-970 (900 W) at \$258; F-969 (1600 W) at \$382 and F-968 (2500 W) at \$485.



**Orc-O-Mation,** a theater automation system, has been announced by Optical Radiation Corp., 2626 South Peck Rd., Monrovia, CA 91016. After the Orc-O-Mation has been programmed initially, a single button on the main programmer places the system in operation. Theater functions are run automatically, including the selection of proper screen masking for each projector, the dimming or brightening of the house lights, the opening and closing of the theater curtains, the initiating of a programmed intermission of up to 60 min and changing from one projector to another. Overrides are provided to start and stop any programmed operation without interrupting the original programmed sequence. Other features include a "film break" and "lamp burn-out" detector. If the film breaks the projector shuts off automatically a light on the main programmer; the projector controller energizes and a warning buzzer sounds. Another light on the main programmer energizes if a projector lamp burns out or if there is a malfunction in the lamphouse.

The system is automatically controlled by electronic pulses or by continuous signals which energize various internal timers and cams in the main programmer. Signals are triggered by electrical conductive tape strips attached to the film moving over a special film roller on the projector. The system is available for operation with either one or two projectors. Prices begin at \$1,200.

**The Zeiss Ikon Favorit 16 B 16mm film projector** designed as a theater projector for permanent installation and optical or magnetic sound reproduction has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036; exclusive distributors in the United States and Canada. The film transport in the gate is by means of a maltese cross. The mechanism, including the maltese cross, runs in an oil bath. The filmgate is water cooled. An hydraulic damper is incorporated for a smooth and even film transport. The drive motor is a synchronous type. The turret for two different lenses and an aperture for two different film ratios permit a fast change if required. A special holder is fastened to the turret for the anamorphic lens. The sound pickup is built as one unit with a solar cell and exciter lamp. A magnetic pickup head is built in. The Xenosal lamphouse is for 900-, 1600- and 2500-W xenon lamps. The main mirror is a dichroic (cold) type mirror. The lamphouse has an arc reflector, ignition device, ammeter and elapsed time meter. The front part of the lamphouse has a condenser lens and a heat reflection filter. For some specific projector lenses an aperture lens (slide-in) type is installed in the projector head. The Xenosal lamphouse can be fitted with a special attachment for slide projection. The Favorit 16 B is priced at \$6,821.50. The price includes the lamphouse.



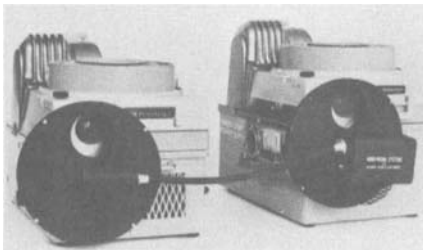
**A modification of an RCA 16mm projector** called Atlantic Xenon RCA Projector, Model RCX-1600, has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036. The modification is to provide a high light output permitting projection on larger screens than would otherwise be possible. Used with the Atlantic EKX/40 rectifier the light output can be adjusted to meet varying projection needs. The modified projector has improved optics. Supplied with the EKX/40 rectifier the price of the modification is \$1,900.

**A conversion kit for the Graflex 16mm projector** for conversion to xenon light sources has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036. The conversion kit can be used with Atlantic dc power supplies including models PXA 32/2 or PXA-40. The conversion kit is priced at \$1,900.

**The Atlantic Xenon Power Supply, Model PXA-32/2,** specially developed for use with xenon light sources equipped with

Osram XBO 450 short arc xenon lamps, has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036. The power supply includes a 3-step manually operated current output switch for light output adjustment to meet projection requirements. It includes a manually operated ignition device with its associated pushbutton and a pilot light to indicate whether the power is on or off. It can be connected to a conventional 117-V 60-Hz power line socket for a 3-pin grounded cap. It is priced at \$525.

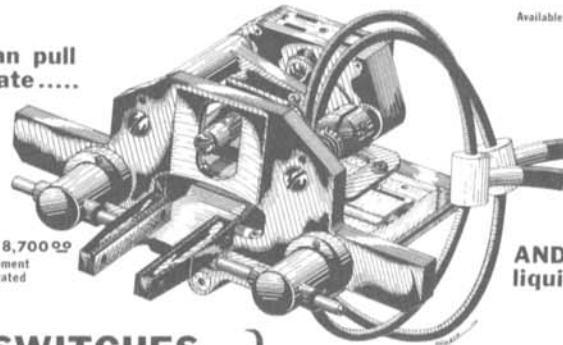
**The Atlantic Xenon Rectifier, Model PXA-40**, has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036. The power supply has been specially developed for use with xenon light sources equipped with Osram XBO short arc xenon lamps. Included is a continuously adjustable current output control for the light output adjustment to meet projection requirements. The power supply has an automatic ignition device. It can be connected to a 117-V 60-Hz power line. The ac current consumption does not exceed 15 A. A pilot light is provided to indicate whether power is on or off. There is provision for a remote dc power output control. Price of the power supply is \$650.



**The Atlantic dissolver unit, DOM-S/D**, designed to dissolve images without changing the color temperature in the dissolving period, has been announced by Atlantic Audio-Visual Corp., 630 Ninth Ave., New York, NY 10036. The unit can be used with different kinds of projection equipment including slide projectors, motion-picture projectors and effects projectors and with different kinds of light sources including incandescent, halogen, carbon arc and xenon. The optical dissolve unit is equipped with a continuous density wedge. The optical dissolvers employ a fade-in fade-out effect from full brightness on the screen from one picture which fades out at the same time the other picture fades in to full brightness on the screen. It can operate as a single unit, fade in/out of the picture on the screen from one projector or as a double dissolver with two slide projectors using two units, one with motor (master) and one without a drive motor (slave). Both units are tied together by a flexible shaft. The dissolve time is variable from 1 to 5 s. A remote dissolve trigger can be tied into a programmed system. The unit is priced at \$465.

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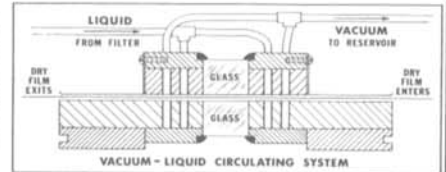
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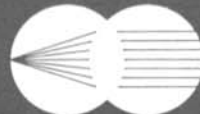


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