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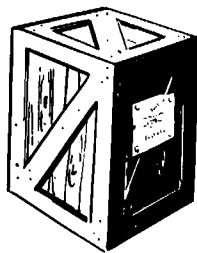
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new products

(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.

EYE-24, a new closed-circuit TV system, designed specifically for 24-hour round-the-clock security surveillance, has been announced by Westinghouse Electric Corp., Box 2278, Pittsburgh, PA 15230. The system automatically adjusts to outdoor conditions ranging from the brilliance of a sunny afternoon to the darkness of a moonlit night. The basic system uses a new type of camera containing a vidicon-type tube coupled to an electronic image intensifier tube. Some versions of the system use Westinghouse SEC tubes. The tube combination is used with an automatic iris. Typically, the camera is enclosed in a weatherproof housing mounted on a pan-and-tilt mechanism at an elevated location. A single camera can survey more than a million square feet. At a remote control station, which can be located up to five miles away, a security guard can monitor the TV picture and control the pan, tilt, and a zoom lens on the camera for close-up viewing of suspicious activity. The guard can control a number of TV cameras and monitors from a single location or a number of monitoring locations can be incorporated into the system. The basic system, which includes camera, housing, monitor, remote control, pan and tilt, is priced at \$10,000.



The EV-330TLV Videocorder, a video-tape recorder specifically designed for time-lapse recording has been announced by Sony Corp. of America, 47-47 Van Dam St., Long Island City, NY 11101. It is designed

to record continuously 60 hours of picture on a single reel of 1-in video tape. One image is recorded in about one second. The tape can be played back at the recorded speed or up to 60 times faster to locate a particular scene on the tape. Tapes recorded on the EV-330TLV are interchangeable with any other Sony EV series Videocorder. The machine can record and play back any composite TV signal with 60 fields/s. An optional color pack is available. The EV-330TLV is priced at \$4,500.

The EV-300, a video-tape recorder featuring two-channel audio and slow motion and stop action in the playback mode has been announced by Sony Corp. of America, 47-47 Van Dam St., Long Island City, NY 11101. The playback picture is continuously variable from still frame to less than one-fifth of normal speed. Audio can be dubbed on one of the two channels without disturbing previously recorded video. The instrument is of solid-state modular construction and is solenoid-operated by pushbutton controls. The EV-300 uses 1-in video tape and will record and play back in monochrome and composite TV signal with 60 fields/s, including random interlace signals. It can be mounted in a 19-in EIA rack. The price is \$2,450.



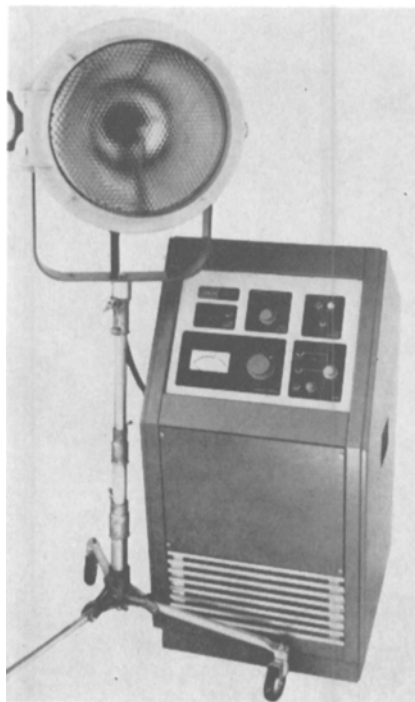
The Video Cartridge Recorder, a sound and color recorder designed for home use, has been announced by Victor Company of Japan Ltd., 12, 8-chome Moriyacho, Kanagawa-ku, Yokohama, 221, Japan. The recorder has a built-in RF modulator and can be connected to the antenna terminal of a color TV set (or to a black-and-white set). When connected to the output terminal of a TV set, TV programs can be recorded on tape. The recorder has a video signal frequency band of 4.2 MHz and meets the NTSC standard for the color signal. The cartridge contains a tape that plays for a maximum of 30 min. The recorder is 450 mm wide, 400 mm deep and 200 mm high. It weighs 17 kg. Availability is announced as mid-1970 and the price as under \$600.

The DatagraphiX magnetic tape unit, Model F512, an instrument designed for use with the DatagraphiX 4360 Micromation Recorder, has been announced by Stromberg DatagraphiX Inc., P.O. Box 2449, San Diego, CA 92112. The new tape

unit enables the DatagraphiX 4360 to accept 9-channel 1600-bpi phase-encoded magnetic tape input in addition to 9-channel 800-bpi and 7-channel 800- and 556-bpi NRZ-I-encoded tape. When integrated with the 4360 the F512 translates the output from digital computers to alphanumeric characters at 30,000 characters/s and displays them on a Charactron Shaped Beam Tube. This readable text, in page format, is photographed on film at 7,000 lines/min. The F512 is priced at \$18,500 with a monthly maintenance charge of \$75. It will also be available on lease.

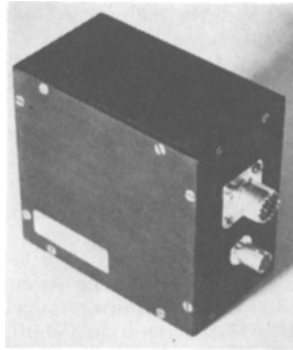
The AM 100, an instrument for use as a professional monitor or sound reinforcement amplifier has been announced by Langevin, 1801 E. Carnegie Ave., Santa Ana, CA 92705. Features include high power at low distortion (under 5% over a bandwidth of 30 Hz to 20 Hz). Power output is 100 W rms sine wave power. The output load is 4, 8 or 16 Ω ; other outputs are available by strapping and taps available on the output transformer. The input is unbalanced bridging which requires 1.0 V for 100 W output. The unit is of solid-state construction. The price is \$356.

The RTH (Rank Taylor-Hobson) F-22 zoom lens has been announced by Rank Precision Industries, Inc., 260 North Route 303, West Nyack, NY 10994. The lens is a 10:1 zoom with a focal length range of from 20 to 200 mm with maximum aperture at f/2.8. It focuses down to 4 ft and fits the plug-in servo iris of all cameras. It is equipped with a two-speed zoom control, control cables and an all-in-one pan focus handle. The new RTH lens weighs 25 lb, measures 11 in in length and is priced at \$5,500.

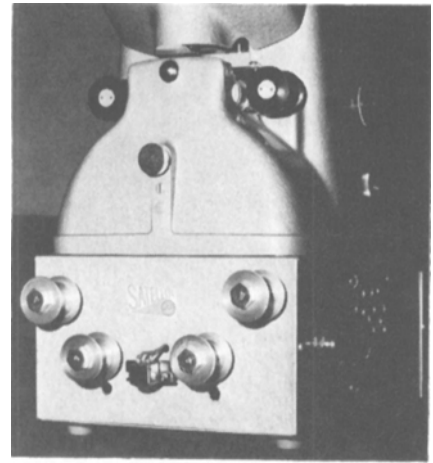


System 700, a strobe lighting unit for synchronous use with motion-picture cameras and video systems, has been announced by Unilux, Inc., 48-20 70th St., Woodside, NY 11377. The strobe unit is designed to stop

action and to produce ultra-sharp images on film and video tape regardless of the speed of motion of the subject. System 700 flashes up to 250 flashes/s with each flash lasting up to 50 μ s. It produces a light output of 250 fc over an area of 300 ft². It's priced at \$6,900.



Audio-Video Engineering Co., 65 Nancy Blvd., Merrick, NY 11566, has announced the HSC-1 Hum Stop Coil, a specially wound toroid video coil used to eliminate hum and other interference in video lines caused by ground-loop currents. In the studio the HSC-1 is used to clean up hum in lines between buildings and over distances within the plant. In the field it is used to eliminate hum between Remote Truck and TELCO, for inter-truck hook-ups and monitoring lines. The device can be used for color as well as for black-and-white. It is priced at \$110.



A transistorized 16mm magnetic sound reader has been announced by Satellite Film Service, P.O. Box 6476, San Jose, CA 95150. Features include instant warmup, one enclosure for soundhead, amplifier and speaker and easy mounting to the base of most 16mm viewers. It is priced at \$49.95.

Neutral Glass Filters in any desired optical density (0.25 to 10 OD) have been announced by Fish-Schurman Corp., 70 Portman Rd., New Rochelle, NY 10802. The filters are colored-in-the-mass all-glass filters that attenuate the visible and infrared regions uniformly to about 3 μ m. The filters are designed to be non-fading even when used with laser intensities.

Mounting for the Eclair Camera. Also available for flat base cameras.

The pod withstands all types of weather.

Even distribution of weight makes shooting easier.

Strong lightweight construction (less than 5 lbs.) for easier handling.

Quick release enables cameraman to dispose of camera and pod fast.

Price reduced. For the Eclair only \$99.50. For flat base only \$85.00.

Tilts to 30 degrees up or down. The Leo-Pod does the moving, not the cameraman.

Telescoping camera support.

One time adjustment makes the Leo-Pod customfit to all.

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The Leo-Pod is now available to all cameramen no matter what type of camera he uses. The pod is specifically designed to leave his hands free for zoom, iris, focus or sound adjustments. It is completely adjustable to the individual cameraman. The Leo-Pod comes equipped with a mounting designed to hold the Eclair camera or also is obtainable with a flat base mounting for the Arriflex 16 or 35mm, Auricon, Bolex or Kodak cameras. Guaranteed for 1 year.

Model 125A for flat base cameras, price reduced to only \$85.00.
 Model 125E for the Eclair camera, price reduced to only \$99.50.

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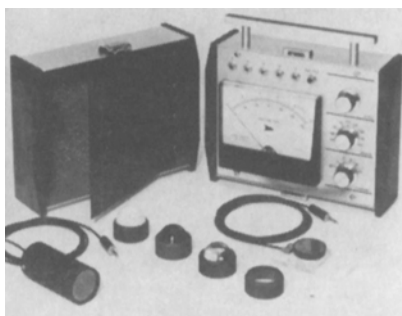


They can be supplied in the uncalibrated finish or calibrated at any wavelength. They can also be supplied in whole optical-density numbers in any desired region and can be used in the spectral region from 2400 Å to 30,000 Å.

Heat-Absorbing Phosphate Glasses have also been announced. They are available in four types with the highest visible internal transmittance over 90% for the lightest shade to 89% for the darkest shade (2 mm thickness). Their IR attenuation starts at about 750 μm and is fairly constant from 1.0 to 2.6 μm and stronger at longer wavelengths.

The CO/AX Ebony screen designed for reflex front projection systems to minimize spill light problems, has been announced by CO/AX Graphic Systems Ltd., 1191 Richards St., Vancouver, Canada. The screen is dark in appearance, similar to a school blackboard. Rejection properties are the result of direct absorption of stray light combined with extremely narrow angle of beam scatter from the screen surface. For example, using a light source at 15° with the camera axis, reflectance ratio of the CO/AX Ebony screen measures 0.07. The screen is available in all sizes. A 9-by 12-ft screen is priced at \$1,166.

The Bauer C20 super 8 camera, a new home movie camera, has been announced by Allied Impex Corp., Div. of AIC Photo Inc., 168 Glen Cove Rd., Carle Place, L.I., NY 11514. Features include a newly designed, f/1.8 power zoom Neovaron lens with an extended 6:1 (8-48mm) zoom range. An aerial image with focusing crosshairs is visible in the viewfinder which also features an eyepiece adjustable ±5 diopters. Exposure is automatic by means of a behind-the-lens CdS exposure meter system. The camera has three electrically driven film speeds, 12, 18 and 24 frames/s. Power is provided by four penlight batteries in the pistol grip handle. It is priced at \$299.95.

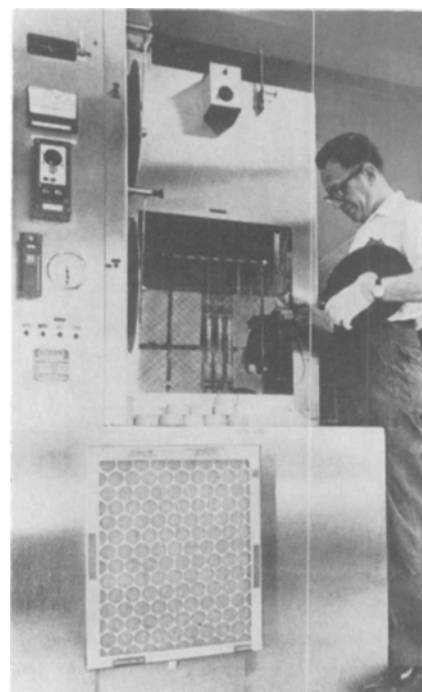


The Type 80 Photometer, a solid-state unit designed for making linear measurements over a light-intensity range of 15,000:1, has been announced by Street Laboratory and Industries, 139 Nevada St., El Segundo, CA 90245. The device incorporates a new type of photosensitive cell to read reflected, incident and ground glass illumination, both visible and infrared. The photometer is available with a choice of two basic light-sensitive, plug-in probes, a handheld unit and a hook-on unit which has been designed specifically for projection screen measurements. Probes can be removed to a distance of 50 ft and up to

five can be used concurrently. Controls include an 8-position range selector, a 5-position channel selector and a built-in battery tester with zero adjustment. The Type 80 photometer has been priced at \$275.

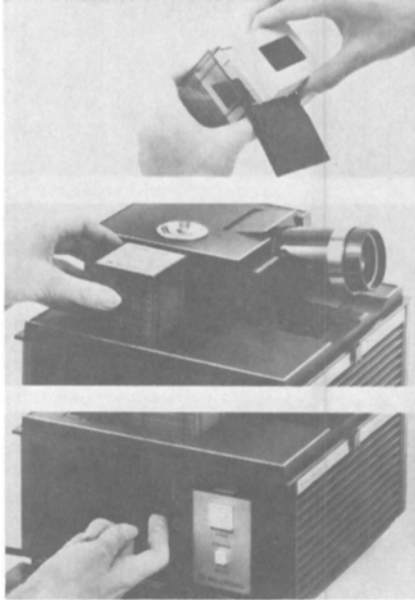
Two new industrial oscilloscopes, Hewlett-Packard Models 1215A and 1217A, with frequency response from dc to 7 MHz, have been announced by Hewlett Packard Co., 1501 Page Mill Rd., Palo Alto, CA 94304. Model 1215A is a single-channel instrument and Model 1217A is dual-channel for displaying two waveforms. Both instruments have deflection factors ranging from 5 mV/division to 20 V/division and 21 sweep times ranging from 1 μs/division to 5 s/division, with stable triggering on any signal that causes ½ division or more deflection or, for external triggers, that has an amplitude of 0.2 V or more. The single-ended inputs for both models have an impedance of 1 MΩ shunted by 35 pF. The 1217A can be operated in a B-A mode in which each input forms one leg of a differential input. Each instrument weighs about 25 lb. The oscilloscopes are available in two versions, the "A" series in a compact bench cabinet and the "B" series for systems use in 19-in racks. Model 1215/A is priced at \$950 and Model 1217A/B is priced at \$1175.

Soft-Kote, a nonabrasive corrugated board, used for packaging slides and movie projection screens, is a product of Stone Container Corp., 360 N. Michigan Ave., Chicago, IL 60601. It is a kraft linerboard specially processed to produce a soft fluffy-surfaced texture which is used to protect fine finishes or sensitive areas of a product. Soft-Kote was designed especially to package the slide and movie projection screens manufactured by Da-Lite Screen Company of Warsaw, IN.



A new 16mm color positive film processor, called the DC-240, has been announced by Filmline Corp., 43 Erna St., Milford, CT

06460. The processor, made of heavy-gage, type 316 stainless steel, processes color positive emulsions at a speed of 240 ft/min. It is equipped with the Filmline demand friction drive. Features include variable speed control, feed-in and take-up elevators for continuous processing, a vacuum squeegee system and impingement dry box for safe, even drying. Temperatures are controlled by thermistor controllers. Price range is from \$120,000 to \$150,000 depending upon accessories and related equipment required.



A new slide projection system utilizing a slide-containing cartridge, called Slide Cube, instead of trays, has been announced by Photo Products Group, Bell & Howell, 7100 McCormick Rd., Chicago, IL 60654. Each Slide Cube cartridge holds up to 40 slides and the cartridge is placed onto the projector. The slides are gravity-fed from the cartridge to a circular handling system which takes each slide past a preview/edit station, then moves it to the projection station and on back to drop the slides in a slide-collection chamber. At the end of a slide show, the user returns the slides to the empty cartridge by lifting the lever in the slide-collection chamber. The preview/edit station on the Slide Cube projector allows the user to preview each slide before projection and to edit slides for sequence. The projector features a lens elevation knob which can be turned to elevate the lens up to 20° to line up the slides with the screen. Slide Cube projectors are available in four models with prices ranging from \$112.50 to \$184.50.

The Quick Set "C" Clamp manufactured by Wing Products Co., 805 Farmer Ave., Tempe, AZ, is now available with a malleable iron trigger. The new trigger was developed to replace a hardened aluminum trigger which, it was found, could break under normal use. According to an announcement from Wing Products, those who own clamps with the hardened aluminum trigger are requested to return them to the company where they will be replaced with the new malleable iron trigger at no cost.

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Producer/Director. More than 15 years experience in nearly all types govt. films (16mm and 35mm), including documentary, news, training, public relations, etc. Supervised all phases of production from script to screen. MA degree (cinema) 49 yrs. old. Seek word in production/direction, permanent or temporary. Travel OK. Resume on request. Write: Tom Fields, Box 6591, Orlando, FL 32803.

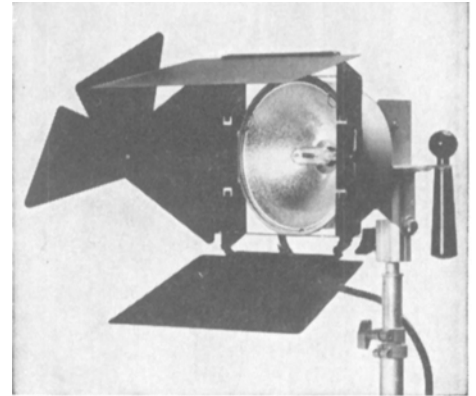
Producer, Director and Film Editor. Over 30 years experience in newsreel, training, documentaries, sports, television, and public relations films. Know all phases motion picture production. Worked both in industry and U.S. govt. Write: John H. Sweeney, 410 Carvell Dr., Winter Park, FL 32789.

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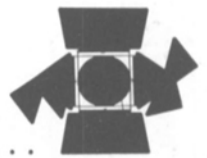
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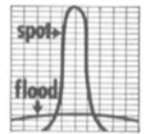


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