

new products

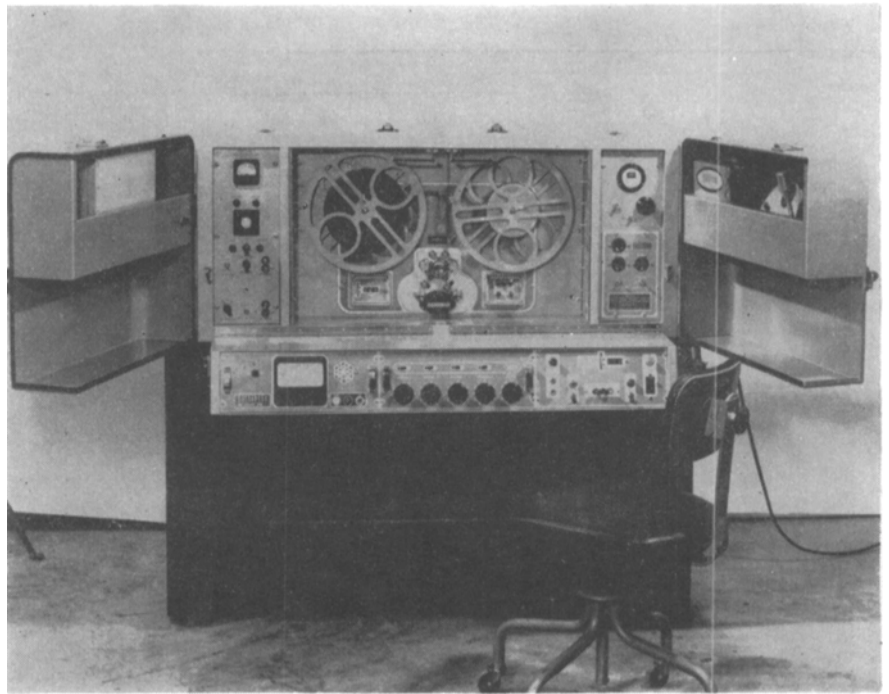
(and developments)

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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 **MARK IX Safari Console** is a combination self-blinded studio console, magnetic film, sound channel which can be secured to a single-wheel trailer for mobile field operation. The console cabinet includes a new Magnasync **MARK IX** push-button operated film transport mechanism, with line-level record-play amplifier designed for operation with any quality line preamplifier. The transport is recessed into the cabinet with $\frac{1}{2}$ -in. Lucite doors to complete the sound blimping. The remote panel for the battery-operated rotary generator is located at the right of the transport and a miniaturized field test set in-

cluding an audio-oscillator, oscilloscope and vacuum-tube volt meter is at the left.

The mixer and remote control assembly is detachable from the transport console. This portion of the system includes a 4-channel microphone mixer with VU monitor and complete remote control of the film transport, including Selsyn interlocked re-



mote footage counter. Integrated with the single-wheel trailer frame is an enclosure for the battery-operated rotary generator, which delivers 500 w of sound-filtered 110 v, 60-cycle power. This power supply features camera "dummy load" and power factor correction for 110 v, 60-cycle synchronous Mitchell camera motors, and manual frequency control. The **MARK IX** recorder was shown for the first time at the 80th SMPTE Convention Equipment Exhibit in Los Angeles earlier this month.



Additive Color Compensating Head

Designed with a single 1000-watt light source and three electro-mechanically operated light valves, this machine will provide color changes in 5 milliseconds. Each light valve is controlled by five small solenoids to provide 32 printer steps. The light valve opening may be simply adjusted to compensate for color stock changes without altering the 32-step arrangement.

The ultimate in light efficiency is obtained by using six interference multi-layer, all-dielectric beam splitters and by eliminating absorbing trimming filters. Separation of the color bands is accomplished without overlap and with little light loss.

Only 13" x 13" x 11" deep, exclusive of mounting and lamphouse. Its rugged construction assures long life and minimum maintenance.

Originally designed to operate with the Bell & Howell model E head, it is now also available to fit the Bell & Howell models D and J.

A 5-channel punched tape reader, with memory system reading in succession red, green, blue, blank, is also available for actuating the three light valves described above, using as a base commercially available punched tape equipment for easy servicing.

We also make a 3-light color head with calibrated neutral density glass filters, solenoid operated, for step and continuous 35mm and 16mm color-film reduction.

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An electronic relay and a thermistor tele-thermometer are new products of the Arthur S. LaPine Co., 6001 S. Knox Ave. Chicago, 29. The electronic relay, designed to be safe for water-bath operation, has a 4-way function switch to give flexibility of application. High-wattage loads, such as immersion heaters, incandescent or infrared heaters, refrigerating units, solenoid valves and motor-driven devices, can be operated by low-current sensing elements such as mercury-column thermoregulators or pressure-operated switches. The tele-thermometer is a portable thermistor-actuated thermometer used in laboratory field research, clinical investigations and industrial remote temperature indication. A single flashlight battery will power it for around 2000 hours of operation.

A booklet on fixed-output constant voltage d-c power supplies is available on request from Sola Electric Co., 4633 W. 16 St., Chicago 50. The 8-page booklet is 8½ x 11 in. and will fit a standard ring binder. The booklet is illustrated and gives technical data for six standard-design, regulated d-c power supplies for intermittent, variable, and pulse loads, or high-ampereage loads. Information on Sola's special design and assembly service for custom-made units is included in the booklet, together with instructions how to get additional data or estimates on special design problems.

FILMAGNETIC

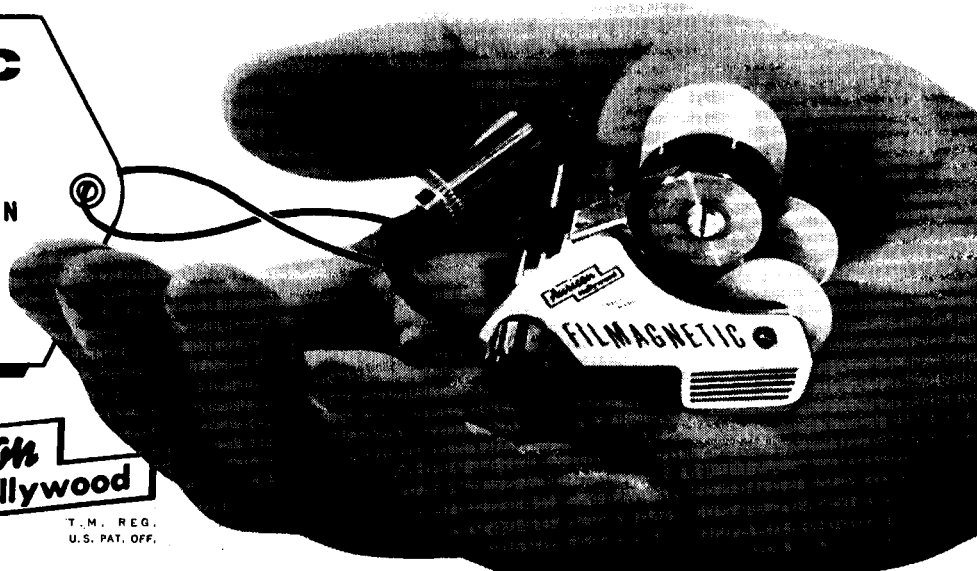
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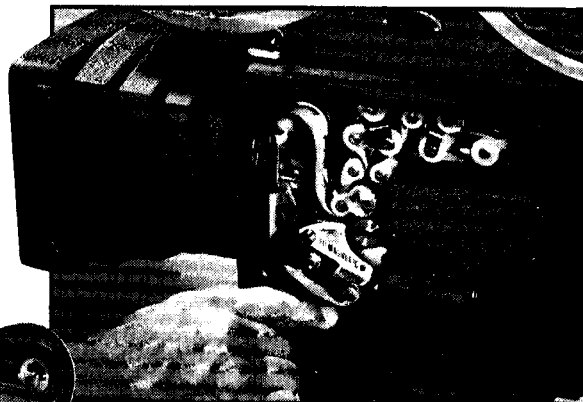
AURICON FILMAGNETIC

T R A D E M A R K

Auricon proudly presents "Filmagnetic" High-Fidelity sound-on-film Recording, for lip-synchronized Talking Pictures and Music of Quality, on 16 mm black and white or color film pre-stripped for magnetic sound before it is exposed to light. "Filmagnetic" sound and optical picture are recorded Single-System on the same film at the same time! The "Filmagnetic" Unit, installed at the Factory in any Auricon Camera, can be temporarily removed without the use of tools, thus providing a choice of High-Fidelity Optical or Magnetic sound-tracks. Your pre-stripped film with magnetic sound lip-synchronized to your picture, passes through the normal picture-development and is played back on any 16 mm Magnetic Sound Projector, including the Ampro, B&H, RCA, and others.

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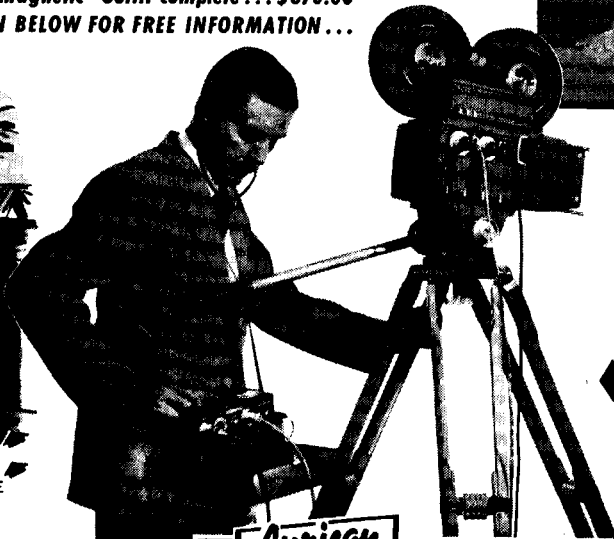
(FILMAGNETIC PATENTS PENDING)

↑ "Filmagnetic" Twin-Head Camera Recording Unit, with Record and Instant-Monitor Magnetic Heads, which automatically open for easy threading... complete with Model MA-10 Amplifier, \$870.00 installed on any new Auricon Camera at the Factory. Small extra installation charge on existing Auricon Cameras.

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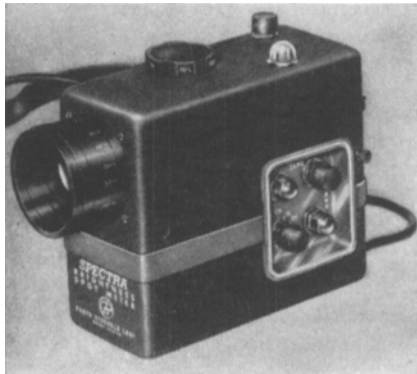
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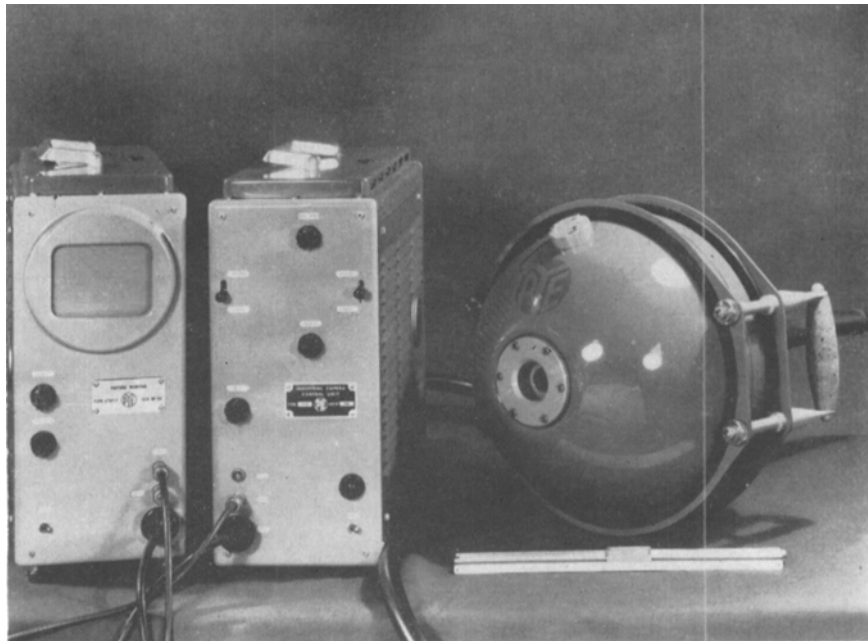
SPECTRA Brightness Spot Meter



- Checks uniformity of blue backing for matte shots directly from camera position
- Checks brightness of selected areas on set to determine brightness range
- Checks color temperature of light sources to maintain uniform color quality
- Shows footcandle output of individual light units without interference from other sources
- Measures uniformity of illumination and discoloration of projection screens for any distance or angle
- Maintains standard brightness and COLOR TEMPERATURE of printer lights

PHOTO RESEARCH CORP.

KARL FREUND, President
837 North Cahuenga Blvd.
Hollywood 38, Calif.

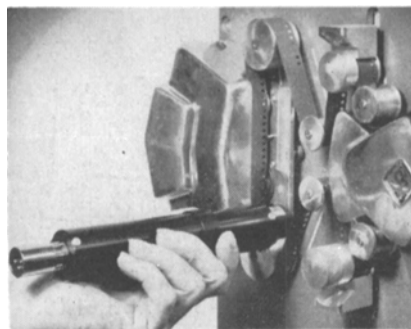


A TV camera 12 in. in diameter weighing 38 lb on land and buoyant in the water, has been designed by Pyc Ltd., Cambridge, Eng., for underwater television. The container for the camera unit consists of two Duralinox hemispheres held together entirely by external air or water pressure. A Staticon pickup tube is used in the camera unit to convert the optical image to an electrical signal. The 14-in. picture monitor is self-contained and other monitors may be added at will.

The camera is intended for operation down to a depth of 250 ft but is designed to withstand a water pressure of 220 psi, corresponding to a depth of 500 ft.

A larger version of the camera is encased in an aluminum sphere 19 in. in diameter, weightless in water and designed to operate at a depth of 3000 ft. The underwater cameras are used to direct salvage operations and are applicable to submarine engineering, marine biology, oceanography and other underwater activities of academic and practical interest.

The larger camera may be suspended by cable from a moving ship, or propelled by an electrically operated cradle. It would be possible to launch it from a submerged submarine and operate it by remote control.



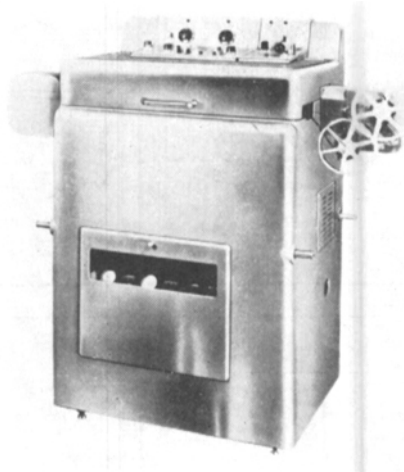
The Stencil-Hoffman Corp., 921 N. Highland Ave., Hollywood 38, has announced detachable flange reels for 16mm, 17.5mm and 35mm sizes. The 1200-ft reel has a removable flange which allows the raw stock to slip over the reel hub and the

flange is then set in place by a half turn to a firm locking position. The reel is made of aluminum so that magnetic film may be erased and safely handled. While the space between the flanges is the same for 16mm and 17.5mm film widths, the reels bear different model numbers because of the mounting hole size. A through square hole is used in the DG16 and a $\frac{3}{16}$ round hole in the DF17 and DF35.

The firm also has introduced an Oscillator Wand, Model AO11, designed as a maintenance tool for fixed and portable magnetic recording equipment. The wand is a source of either a 1000-cycle tone or an 8000-cycle tone. When it is held close to the playback head, either a 1000 or 8000-cycle tone will be induced into the playback head to check operation of the playback amplifier or film phonograph. Held close to a dynamic microphone or any other moving coil pickup, the wand will induce the same tones. The wand may also be inserted in the input of a microphone preamplifier in order to record 1000 or 8000 cycles. It measures 8 in. in length, 1 $\frac{1}{2}$ in. in diameter, and weighs 9 oz. Prices start at \$43.50.

Elgeet Optical Co. has issued a 24-page booklet describing its products. The booklet includes lens models, descriptions, schematics, catalog numbers, features and prices. Special sections explain how to mount the lenses on various types of cameras, and specialized application of the firm's equipment. The booklet, entitled "Elgeet Lenses and Optical Accessories for the Finest in Photography," is available upon request to the company at 838 Smith St., Rochester 6, N.Y.

Steinheil Optical Works, 705 Bronx River Road, Bronxville 8, N.Y., has announced that the $f/1.5$ Steinheil Quinon 1 in. (25mm) lens for 16mm motion-picture cameras is available from American distributors. The company is a branch of the Munich firm. The Quinon features a click-stop diaphragm with a wide range of 10 aperture settings. A dual focusing scale is provided with focusing from infinity to 1 $\frac{1}{2}$ ft. The lens is priced at \$79.50.



A Transportable Automatic Tri-Film Processor is available from the Norden-Ketay Corp., 99 Park Ave., New York. Known as Type T246 MK 3, it is designed to process various sizes of films and is equipped with wheels and handles to permit easy transportation. It is 54 in. long, 22 in. wide and 51 in. high; weighs 400 lb and has a process capacity of 1 to 4 rolls 16mm, 1 or 2 rolls 35mm, and 1 roll 70mm; length to 400 ft at a rate of 1½, 3 or 6 ft per min. It has temperature-control for solutions and dryer, processes perforated or plain film, and can be operated in daylight except for the loading of film into the magazine.

A 5-ton camera, reported to be the largest ever built on the West Coast, will be manufactured by Gordon Enterprises, North Hollywood, for the Air Force Flight Test Center at Edwards Air Force Base, Calif. The camera measures 25 ft in length and uses a 30-in. lens.

A revised "Kodaguide Movie Dial," for use with Kodachrome, Plus-X and Tri-X movie films, has been announced by Eastman Kodak Co. The dial shows the proper lens openings for the four most common outdoor light conditions: bright sun, hazy sun, cloudy bright, or open shade. Tests conducted by the company have resulted in a new setting of *f*/11 for Kodachrome and Plus-X film which will give good overall results with bright sun on sand or snow. Another dial shows correct indoor exposures for either floor lights on stands or lamps on a camera bar with suggestions for correct lighting. Copies of the "Kodaguide Movie Dial" are available from Kodak dealers for 25 cents each.

An Engineering Data Wall Chart which gives tables on decimal equivalents, temperature conversion, current ratings and other useful information is available from Perkin Engineering Corp., 345 Kansas St., El Segundo, Calif., if a request is made on your letterhead.

Correction

The OPTO Multi-Splicer and OPTO Serial Marker are products of OPTO Mechanisms, Inc., 216 E. 2nd St., Mineola, L. I., N. Y. and are distributed by the Photographic Analysis Co., 100 Rock Hill Rd., Clifton, N. J. The latter company was mistakenly referred to as the producer in the September *Journal*, p 529, where these items were described and illustrated.

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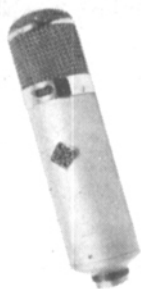
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