

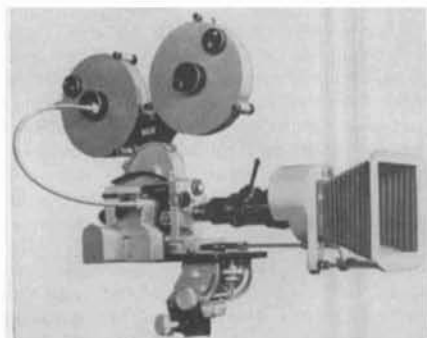
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new products (and developments)

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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 Webo-M, a re-engineered 16mm reflex camera, manufactured by Pathé Société Commerciale et Industrielle of Paris, has been announced by Pathé Products, Inc., 9 Pleasant St., Providence 6, R.I., sole distributor in the United States.

The camera, priced at less than \$530, is equipped with a 25mm f/1.4 Cinor lens, with continuous reflex viewing through the viewing lens eliminating parallax problems and providing accurate focusing with any suitable optical system.

A 400-ft film magazine provides more than eleven minutes of filming at 16 frames/sec. The motor unit is operated by a 24-v wet cell, rechargeable battery and operation from a conventional power source is possible if an a-c converter is used. A bell rings automatically when the film footage is used to nine feet from the end. A governor-controlled spring motor drive exposes 22 ft of film for each wind.

A variable shutter which rotates from 180° to zero has a sound signal when entirely closed. The variable shutter makes possible simple fades, lap dissolves, opticals, reduction of depth of field, modification of exposure time during panoramic shots, filming in very bright light and filming very fast moving objects.

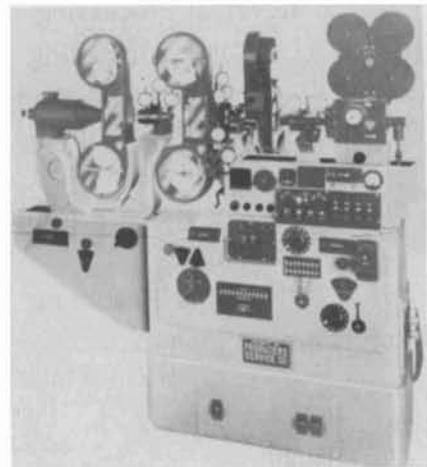


The camera has six speeds plus a single exposure which makes the camera useable for animation, medical and other scientific applications and photomicrography. Minus the lens, the camera weighs only six pounds.

The three-lens "C" mount turret accepts more than 20 SOM Berthiot and Angenieux lenses as well as all other "C" mount lenses. A locking mechanism has been provided for use with large telephoto lenses.

The film gate operates by means of a central sprocket with 16 teeth and a hardened alloy claw. The film is locked in the "stop" position and balanced side pressure rails eliminate film "breathing."

Footage and frame counters provide accurate measurements and a driving handle moves 8 frames per complete turn forward or backward. Full rewind of exposed film is possible up to 22 ft. Optional accessories include a kompendium (matte box, filter holder, bellows), hypergonar (CinemaScope lens), base for use of hypergonar with kompendium, projector adapter, base for use of hypergonar with electric motor, extension tubes, cable release with right-angle swivel, pistol grip and carrying case.



Optional features for the Acme Optical Printer, Model 103, designed by Producers Service Co., 1145 N. McCadden Place, Hollywood 38, permit the creation of different special effects simultaneously on one film. Features, as described in the announcement, include a continuous zoom, or follow focus, which automatically maintains a constant focus through a range covering a 4:1 enlargement to a 5:1 reduction; a split beam projector; and a predetermined foot or frame counter to stop or start the camera or projector at any foot or frame up to 9,999.

These devices can be operated separately

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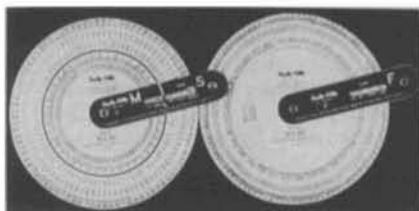
or simultaneously and at the same time the camera can be rocked about its center up to an accurately controlled 15° to each side. Also a portion of a separate film (or films) can be "floated" upon the finished film through the use of an aerial image projector.

These devices are in various stages of development. Acme optical printers are installed under a lease arrangement that provides for cost-free maintenance. Model 103 was on display at the recent SMPTE Convention in Los Angeles.

A new friction pan head for the Gibraltar Tripod has been announced by Quick-Set, Inc., 8121 N. Central Park Ave., Skokie, Ill. The head is similar in size and construction to the Gibraltar Geared Head except that gearing has been eliminated and a control handle added. The head is fitted with counter-balancing springs and is said to handle loads up to 100 lb with finger-tip control. Both types of pan head are fitted with a floating, gear-driven attachment screw, operated by turning a knob conveniently located under the rear edge of the top plate. The new pan head is priced at \$395.00.

A constant-output amplifier, Model 740-C-1, announced by Amplifier Corp. of America, 398 Broadway, New York 13, N.Y., has been designed to maintain a constant output by automatic volume control. The amplifier consists basically of a

two-stage push-pull circuit. Operating conditions of the input stage have been determined so as to provide optimum limiter action with minimum distortion. The input may be connected directly to a balanced 600-ohm line or it may be bridged across a 600-ohm line without upsetting line impedance. The amplifier is said to have constant output within ± 2 db with input changes of 40 db. The only controls are an On-Off switch, a meter transfer switch and an attenuator. Dimensions of the 25-lb unit, designed for standard rack-panel mounting, are: width, 19 in.; height, 7 in.; depth, 8½ in. It is priced at \$245.00.



A Ready-Eddy for 16mm has been announced by Rolab Photo-Science Laboratories, Sandy Hook, Conn., as a companion to the Ready-Eddy 16/35. The device, made of laminated plastic, is 5 in. in diameter. The device consists of an indicator used with three scales marked, respectively, "F" (feet), "S" (seconds), and "M" (minutes). When the indicator is aligned with any number on any scale the corresponding number on the other

scales will appear. For example, on the "F" scale the indicator shows minutes and seconds of screen time and the number of frames for the footage. Aligned with the "S" scales the indicator shows footage and number of frames. On the "M" scale footage and screen time up to 1,638 ft or 45½ min can be shown. The 16mm Ready-Eddy is priced at \$2.95.



An all-transistorized two-speed, two-channel professional magnetic tape recorder/reproducer has been developed by Vega Electronics Corp., 10781 N. Highway 9, Cupertino, Calif. Designated the Vega V-30, the machine operates at either 7½ in./sec or 3½ in./sec, using ¼-in. tape. Other speed combinations in 2:1 ratios are available on special order. The transport and the electronics package may be rack mounted or contained in a compact portable case weighing 14 lb. The transport weighs 30 lb and the electronics package weighs 17 lb. Features include start-stop action "so precise it can cleanly split syllables," according to the announcement, and an unusually low wow (0.03%) and flutter (0.08%) at 7½ in./sec. Excellent speed accuracy is also reported with the manufacturer's test showing tape speed variation as compared to mid-reel tape speed of $\pm 0.03\%$ at the beginning of the reel (± 1 cycle in 3000 cycles) and at the end of the reel $\pm 0.6\%$ (± 2 cycles in 3000). Measurements were made by Eput meter with ± 1 cycle accuracy. The original version of the machine is priced at about \$1,700.00.

A laboratory model of a portable 8mm projector with a four-language selector knob has been introduced by Fairchild Camera and Instrument Corp., 580 Midland Ave., Yonkers, N.Y. Called the "multilanguage" projector, the machine resembles a portable typewriter case and has a self-contained rear-projection screen. The language selection is based on the soundhead arrangement which consists of four pickup heads, the threading path and 4-track 8mm magnetic tape. Film and tape are fed from a single magazine in a continuous loop, the film following the conventional path of the projector but by-passing the soundheads. The tape is fed to the drive sprocket, through the soundheads, then returned to the magazine, by-passing the film gate. In loading the magazine, film and tape are interleaved as they are wound in a precise picture-to-sound relationship, and then end-spliced.

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The machine weighs 17 lb and has a maximum time per cycle of approximately 10 min.

The multilanguage projector is the subject of a paper that was presented by R. G. Hennessey at the Society's 1962 Spring Convention at Los Angeles. The projector is presently available at a price of \$480.00 per unit in quantities of 50 or more.

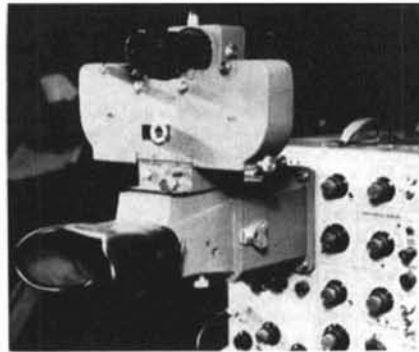
A versatile projection system for the analysis of 16mm memomotion and motion-picture film has been announced by Lafayette Instrument Co., P.O. Box 57, Lafayette, Ind. Known as the Lafayette automatic analysis projection system, it consists of a gear-driven projector with a remote-control panel and a front-view screen. The control may be operated manually to show individual frames or may be set for continuous running. Speeds are controllable from very slow speeds to 1000 frames/min. A special housing is used on the screen to permit daylight viewing. A continuous heat filter is incorporated to permit viewing individual frames for as long as 30 minutes without damaging the film. The screen may be used with any 16mm projector. The projector is priced at \$420.00 and the screen is priced at \$120.00.



The Amphicon "190" is a large-screen TV projector designed for educational, industrial or home use. A product of TelePrompTer Corp., 50 W. 44 St., New York 36, it is 20 in. high, 21½ in. in depth and weighs only 70 lb. External controls (focus, contrast, on/off and brightness) and a reversing switch for rear screen projection are provided. The projector may be operated from a miniaturized remote-control panel. Pictures can be projected from 40 in. up to 12 ft wide. The optical system, incorporating a 12-in. mirror and a 10-in. corrective plate has a relative aperture of $f/0.8$. Brightness is measured at 8 ft-L and highlight illumination at 4 ft-c on an 8-ft picture. The projector is priced at \$1,655.00.

A chart for evaluating the resolving power of new image tubes has been developed by the Westinghouse Electronic Tube Division, Box 284, Elmira, N.Y. Called the ET-1332 contrast chart, it consists of an 8 by 10-in. transparency with nine identical groups of lines. The resolu-

tion image is picked up by a camera tube. The resulting video signal is fed into an oscilloscope set for a delayed sweep, making it possible to obtain the information required for a complete square-wave aperture with a single scope presentation. The chart is priced at \$15.00.



A 35mm oscilloscope recording camera, the OC-1-35S, has been announced by Photographic Instrumentation Development Co., 19458 Ventura Blvd., Tarzana, Calif. The camera, which is designed as a high-speed strip film unit, has a variable speed capability, available in any 10 to 1 speed range from 5 in./sec to 1000 in./sec. It is recommended by the manufacturer for photographing phenomena with extremely high-speed transient peaks. The image to be recorded is pin-pointed onto the recording film. Since the data cycle is "streak-recorded," no shutter is required.

The camera has a companion variable-voltage speed control. The unit can also be rotated 90° to record on either axis. Features include the 51mm $f/1.7$ seven-element Raptar lens; built-in boresight and automatic shutoff; and 100-ft film capacity. A beam splitter is incorporated to permit parallax-free binocular viewing while recording. The camera is priced at \$2,400.

The Bolex D8L, a product of Paillard, Inc., 100 Sixth Ave., New York 13, is an 8mm roll-loading camera featuring a film rewind device used in making lap dissolves and double exposures. Other features include a Compumatic exposure meter which measures light through the taking lens; automatic footage counter; audible signal to indicate the end of the film; and a viewfinder for lenses ranging from wide-angle to telephoto. Two models are available. With a three-lens turret the camera is priced at \$164.50. With a two-lens turret the price is \$149.

A Stereo-Color Kit for converting black-and-white industrial television to color has been announced by Stereotronics Corp., 1717 N. Highland Ave., Los Angeles. The color kit consists of two sets of color filters, color temperature filters and a color compensator. It is designed to be used in conjunction with the firm's Stereo-Hood (*Journal*, Oct. 1961, p. 864) and the Stereo-Captor and Stereo-Screen (*Journal*, Apr. 1962, p. 311). The new device is priced at \$595.00.

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