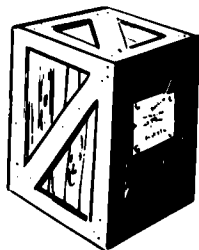


picture coverage of press conferences and other new events emanating from the White House were discussed by Charles Shutt, Washington Bureau Manager, Hearst Metrotone News and Telenews. The facts brought out in this talk served to call the attention of all present to the importance of motion pictures for news dissemination. Television broadcasting

networks also have their problems in covering the highlights of the President's activities and particularly those of the press conference. Julian Goodman, Manager, News and Special Events, NBC Washington, spoke on these problems, especially those of an editorial nature facing the television news editors in avoiding charges of political bias or favoritism.

Jim Barker, Section Chairman, led the round table discussion which followed the speakers' formal presentations. The discussion was particularly animated and lasted over a half-hour. Mr. Barker and Al Moses were instrumental in arranging for this highly interesting meeting.—*Henry M. Fisher, Secretary-Treasurer, 4003 Underwood St., Chevy Chase 15, Md.*

new products (and developments)



.....
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 stock of Altec Companies Inc. will be acquired by Ling Electronics Inc. under terms of an agreement announced by Board Chairman James J. Ling. Upon completion of the acquisition, Altec Companies Inc., together with its subsidiary, Altec Lansing Corp., will operate as subsidiaries of Ling Electronics Inc. Altec Service Co. will continue as a division of Altec Companies Inc. No change in the commercial operations, management, names or policies of the companies is contemplated.

A new 5-ft high Eidophor projector, weighing 800 lb was demonstrated in Washington, D.C., in December before the American Assn. for the Advancement of Science. The demonstration was sponsored by Ciba Pharmaceutical Products Inc., of Summit, N.J., backer of Dr. Edgar



Gretener A.G., the Swiss company which developed the Eidophor.

The Washington, D.C., demonstration added a new chapter to the Eidophor story. On the human side it has had a dolorous history. It was invented in 1939 by Fritz Fischer of the Swiss Federal Institute of Technology. Dr. Fischer died in 1947, before practical success of the invention was assured. Edgar Gretener, who continued the development, died last October.

Reaction to the Washington, D.C., demonstration was, for the most part, extremely favorable. An earlier demonstra-

tion in New York (New Products, *Jour.* p. 80, July 1952) was under the auspices of 20th Century-Fox. At that time a 30-minute program was originated and transmitted from a studio to a theater several blocks distant. Since that early demonstration, 20th Century-Fox and General Electric have jointly continued developmental activities. The Eidophor has been described in articles in the *Journal*, including "The Eidophor Method for Theater Television," E. Labin, pp. 393-406, Apr. 1950, and "The Eidophor System of Theater Television," Earl I. Sponable, pp. 337-343, Apr. 1953.

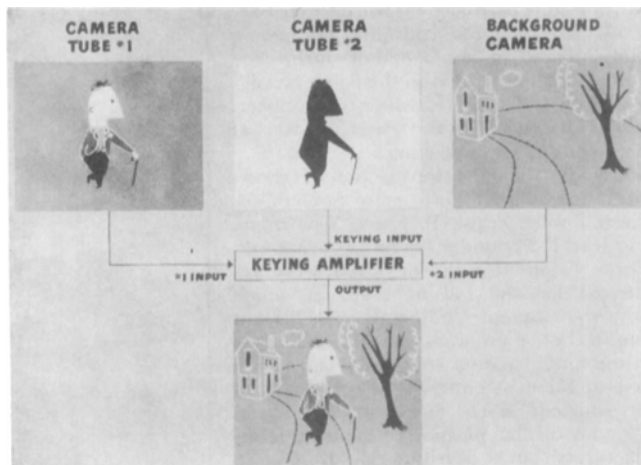
In the Washington, D.C., demonstration, pictures of a heart operation were shown in color on a screen 16 ft by 12 ft.



Ten Dage TV cameras have been spotted throughout Yale Transport Corp. Terminal, 40 St. and 12th Ave., New York, and connected by coaxial cable to monitors in the operations office to keep a 24-hour watch on loading and unloading activities. The TV system opens up new working space by eliminating the control tower which formerly occupied 500 sq ft of space and, at the same time, it permits closer management control. The dis-

VideoScene, an electronic camera system which makes it possible to blend live action with miniature settings, still photographs or motion pictures, has been announced by the CBS Television Network Production Development Dept., 485 Madison Ave., New York 22. Two cameras are linked with a servosystem which synchronizes the cameras' movements so that background and actors are matched. One camera (with two tubes) covers the blank set on which the actors perform, while the other camera photographs the miniature background. The two pictures are blended into a composite on the TV screen.

A special reflective material, developed by Minnesota Mining and Mfg. Co., is used on the "blank" set. Through the use of a dichroic mirror the reflected keying light is transmitted to the camera where it becomes an optical signal. The effect of the reflected light is to "black out" the matting background against which the actors perform and permit the actors to be blended into the background setting. The process, at present, is applicable only to black-and-white, but it reportedly can be easily adapted to color.



patcher, watching the monitor, directs traffic by means of a 2-way radio. The cameras (Model 63-A Dage) are secured to beams above the loading and storage areas. Completely self-contained units, the cameras adjust automatically to changing light conditions. Each camera measures $6\frac{1}{2}$ by $5\frac{1}{2}$ by $11\frac{1}{8}$ in. and weighs 10 lb. Each of nine cameras covers from four to eight of the terminal's 43 truck bays. The tenth camera, centrally located, is remote-controlled by the dispatcher who can point the camera in any direction and select any one of four lenses to achieve close-up shots of areas not completely covered by the fixed cameras.

A giant projection lens, more than a foot long and almost a foot in diameter and weighing 65 lb, has been installed at the New York Stock Exchange's Wall Street headquarters by Bausch & Lomb Optical Co., Rochester 2, N. Y. With the new lens, data on the standard $\frac{1}{4}$ -in. tape can be projected 106 ft across the Exchange floor onto a large wall screen. The individual letters and figures are two feet high and the section of tape is magnified to 14 ft long. The lens has a focal length of 38 in. with an $f/4$ speed. It is designed to compete with the intense sunlight that usually streams through windows high above the Exchange floor and to provide a sharp image under adverse conditions.

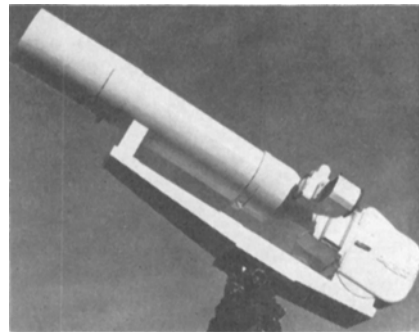
Three types of projectors are described in a brochure available from Technical Service Inc., 30865 Five Mile Rd., Livonia, Mich. The Teclite projects to a screen in darkened areas and is suitable for audiences up to 1000. The Duolite features a built-in fold-away screen and does not require a darkened room for adequate projection. The Moviematic features a continuous magazine which eliminates rewinding and rethreading.



Hypervelocity instrumentation for missile and space research has been developed by Avco, Research and Advanced Development Div., 201 Lowell St., Wilmington, Mass., to measure shock waves, flow patterns and other events occurring at high Mach numbers in shock tubes and on ballistic ranges. One type of installation is the shadowgraph used on the ballistic range. The basic system employs a spark-gap point-light source, a collimating lens, a catadioptric light screen, an objective lens, and a photographic plate. A projectile is fired between the two lenses in the

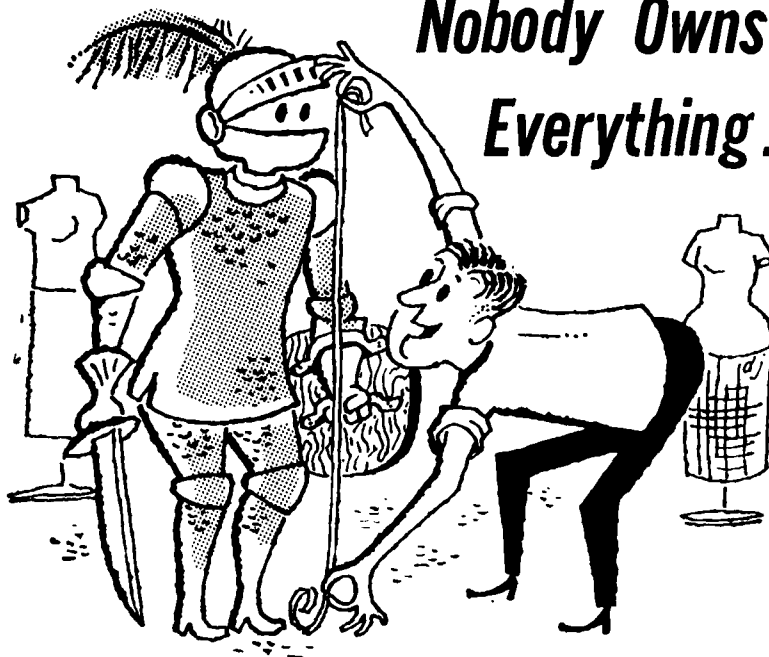
collimated light beam. When the projectile is at the center of the optical field it passes through a catadioptric light screen, a sensitive device used for detecting the presence of the projectile. A photomultiplier in the light screen sends a signal through a video amplifier to a trigger unit which triggers a pulse generator. The pulse generator provides a high-voltage pulse which makes the action of the light source and a Kerr Cell photographic shutter mutually synchronized with the position of the projectile. The whole action takes place with a "jitter" of less than $0.1 \mu\text{sec}$.

A fixed focus as well as a focusing version of the 40-in. $f/8.0$ Cyclotar lens has been mounted on Hulcher rapid-sequence



cameras and is available through Gordon Enterprises, 5362 N. Cahuenga Blvd., North Hollywood, which designed the mount and cradle used to adapt the lenses

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ARRIFLEX—35MM—3 ZEISS Lenses, 2-400 Ft. Mags, Mattebox, Battery Case **975.00**
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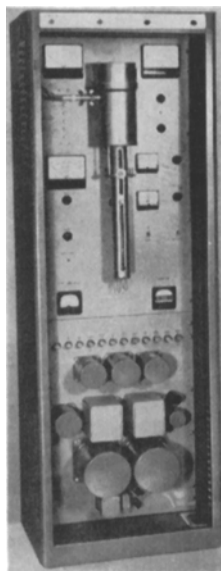
A powerful xenon lamp which produces approximately 500,000 lm and is said to have a life of over 500 hours has been introduced by Macbeth Corp., Box 950, Newburgh, N.Y. Called the XOO 20KW, it is a tube of drawn quartz, 72 in. long and approximately 2 in. in diameter. Manufactured by Osram Co. of West Germany, in operation it is a nonpulsed arc-type lamp which requires no forced air or water cooling and operates on 210-v, 60-c, single-phase power, with a simple igniter and choke. Features include instant start, abil-

ity to operate over a wide range of electrical current loads with no variation in the color temperature of the light. The internal pressure of the lamp is reported as slightly less than one atmosphere, which would eliminate danger of explosion. The company plans to make available, early in 1959, two smaller lamps, the 6KW (36 in.) and the 10KW (48 in.). Plans include offering a pair of XOO 6KW complete with auxiliary equipment such as stands and reflectors at a price of approximately \$2000.00.

to the cameras. Special features are a center of gravity balanced cradle with 3/4 in. tripod insert, and a reflective white enamel finish to provide temperature compensations for use in direct sunlight. Also available are sun-hood extensions and specially mounted filters.

in 470-890 mc frequency range when driven by a suitable modulated UHF TV signal. Features include variable bandwidth, full metering, and a self-contained power supply.

The Fisher FaX-Ray Processor has been introduced by Oscar Fisher Co., Newburgh, New York. The unit, which operates automatically, develops, fixes, washes and dries x-ray film of all sizes, including 14 by 17 in. Processing time is only seven minutes. Film is developed by an agitation-immersion method, and washing time is reduced by use of a spray-through-air system. Approximate dimensions are: length, 6 ft; height, 7 ft; width, 4 ft; and weight about 500 lb. The price is \$15,000.00.

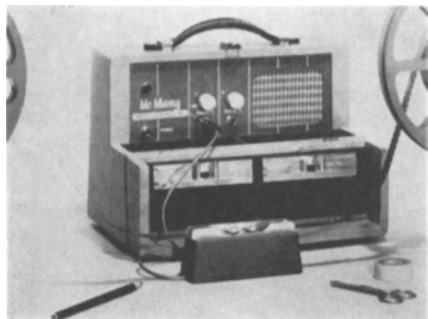


A transistor tester, capable of checking the performance of transistors while they are connected within their circuits has been announced by Philco Corp., Philadelphia. The tester was developed under a contract with the Navy's Bureau of Ships, but it is expected to become commercially available in the near future.

A broadband translator amplifier, Type RA-7, has been introduced by Adler Electronics Inc., One Lefevre Lane, New Rochelle, N.Y. The amplifier is said to provide 100 w of peak visual output power

A three-dimensional technique for studying moving air pockets that deviate light rays and interfere with aerial and long-distance photography has been developed by Eastman Kodak scientists. The air pockets are from 4 in. to 6 ft in diameter and have a refractive index different from that of the surrounding air because of

a slight difference in temperature. The studies are being conducted at Canadice Lake, N. Y. To observe the action of the air pockets, two high-intensity light sources, each polarized with a filter, were focused across the lake on a rear-projection screen at a distance of 1.3 miles. An observer, wearing a pair of spectacles like those once used to view 3-D motion pictures, stood behind the screen and watched the pattern of shadows in motion, as each of the light sources produced a shadow of an air pocket in different places on the screen. The 3-D glasses enabled the observer to "look into" the space between the screen and the light source and to judge the distance of each pocket from the screen.



The Model 58 Magnetic Reader has been announced by McMurry Audio Electronics Inc., 9740 Washington Blvd., Culver City, Calif. Designed to simplify sound-on-film editing, the unit separates sound editing from picture editing equipment. The device consists of a reading head plus an amplifier unit. The reading head, measuring 1 1/2 in. by 2 1/2 in. by 5 1/2 in., is connected by a flexible electrical cable to the main amplifier unit which is contained in a carrying case complete with loudspeaker. The amplifier unit, measuring 6 in. by 9 in. by 13 in., contains two sound input jacks. Dual-track editing can be performed by adding a second reading head. Interchangeable guides are available to accommodate 16mm magnetic film with either center or edge track.

Magnetic film, tape recording and reproducing equipment is described in a brochure available from Stencil-Hoffman Corp., 921 N. Highland Ave., Hollywood 38. The units described in the catalogue are designed around both vacuum tube amplifiers and transistor amplifiers to cover single- and multitrack recording for professional, stereo, instrumentation, and communications purposes.

The Broadcast Camera Equipment Catalogue (3rd ed.) has been issued by the Radio Corp. of America. Included are descriptions of color and monochrome cameras, accessories, lighting equipment and mobile units for TV station and closed-circuit use. New equipment described in the catalogue includes the TK-15 Studio Vidicon Camera, color and monochrome orbiters, color mobile unit and a number of optical accessories. The catalog is priced at \$1.00, available from Radio Corp. of America, Broadcast and TV Dept., Front and Cooper Sts., Camden 2, N.J.

Fifteen Years of Semiconducting Materials and Transistors is a bibliography compiled by N. L. Meyrick of the Research Library, Newmarket Transistor Co., Exning Rd., Newmarket, England. The bibliography is revised and expanded from an earlier publication. General subjects covered include: Semiconductors -- Theory and Measurements; Processing of Semiconductors; Rectifiers and Diodes; and Transistors. The 75-page bibliography contains 2511 references, more than twice the number of references contained in the first edition (which covered ten years), published four years ago.

A new publication, *Optics Plus*, has been announced by Perkin-Elmer Corp., Norwalk, Conn. To be published quarterly, it

will report on developments in precision optics and instrumentation, including the fields of optical tracking, military infrared and aerial reconnaissance. The first issue described giant missile tracking cameras and alignment devices for inertial guidance systems in use at Air Force Missile Test Ranges. Another article described a sun-telescope camera designed for Project Stratoscope.

Perutz 8mm and 16mm black-and-white film is distributed in the United States by Burleigh Brooks Inc., 10 W. 46 St., New York 36. The film, which is manufactured in Germany, is supplied in speeds of 17, 21 and 27 DIN, which corresponds to 25, 100 and 400 ASA.

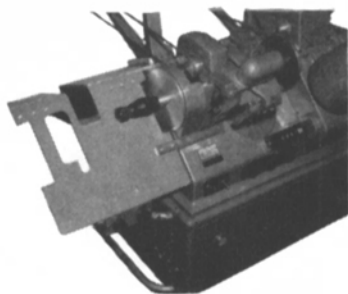


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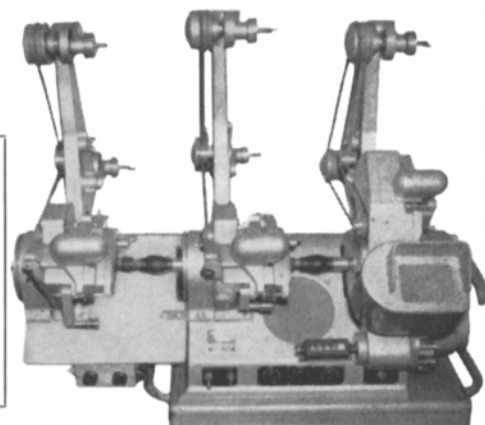
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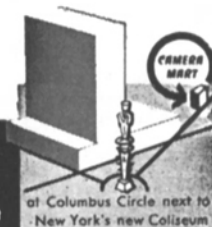
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Your Key to Quality Film Services is a brochure available from Geo. W. Colburn Laboratory Inc., 164 North Wacker Dr., Chicago 6, which describes the creative and technical services offered by the film. The brochure is illustrated by photographs taken in the plant.

An article on "Photography and Radar" in the December 1958 issue of the *Recorder*, published by Flight Research Inc., P.O. Box 1-F, Richmond, Va., is announced as the first of a series "to record general principles and later the details of specific applications." The publishers express the hope that the "articles will provide a useful 'primer.'" The current article is clearly and concisely written and sets a high standard for the series.

New products announced by the firm include 35mm Model IV E multidata camera, a development of Model IV C with an auxiliary data chamber which records supporting and supplementary data directly on each film frame, and a new variable shutter for Model IV C.

The Pacific Northern Sales Div. of Eastman Kodak Co. is housed in a new building at 3250 Van Ness Ave., San Francisco, which was officially opened Nov. 10. The building contains sales and distribution facilities, including a technical service department for sensitized photographic products.

An instruction manual on close-up photography, including macrophotography,

photomicrography and microphotography is available without charge from Standards Camera Corp., 319 Fifth Ave., New York 16. Profusely illustrated with photographs and drawings, the manual explains proper use of equipment (the Praktina and Praktica cameras) and contains charts and tables to provide helpful information.

Kodak Handbook News, replacing *Kodak Photo Notes* and *Kodak Professional Notes*, in the loose-leaf series, offers instruction in the use of Kodak products and advice as to how to achieve the best results. The current brochure (Periodical No. L-2-58-4-SH) on the subject of color slides from Kodacolor negatives is available from Kodak dealers.

An 81-page booklet by General Electric, describing all categories of audio equipment, from Audiomatic limiting amplifiers to Zipper-laced custom audio systems, has been issued by General Electric Technical Products Dept., Section P8, Syracuse, N.Y. The booklet is available without charge but because of limited quantities copies will be reserved for audio engineers and professional broadcasters on a priority basis.

Hagerstown's five-year plan has been advanced by the acquisition of an Ampex Videotape Recorder for use in classroom instruction as part of the experiment in television teaching conducted by the Washington County, Maryland, School System on a five-year basis. The machine uses magnetic tape developed by Minnesota Mining and

Mfg., St. Paul, Minn. The recorder is expected to have several educational advantages such as interchange of lessons among school systems using TV teaching methods; saving important lesson presentations for future use; and recording events appropriate for classroom use.

Mincom Division of Minnesota Mining and Mfg. Co., 2049 S. Barrington Ave., Los Angeles 25, has announced contracts with Rome Air Development Center of Air Research and Development Command and Sandia Corp., Albuquerque, N.M., for video band instrumentation tape recording systems. An outgrowth of the former Electronics Div. of Bing Crosby Enterprises, the Los Angeles concern is engaged in research and development of video tape recording and instrumentation tape recording systems.

A laboratory model of a small, portable television tape player has been constructed at RCA Laboratories by a team of scientists under the direction of H. F. Olson, Director of Acoustical and Electro-mechanical Research Laboratory, Princeton, N.J. The experimental model is said to be capable of reproducing tape-recorded black-and-white pictures and sound through a standard television receiver with a degree of resolution and picture quality comparable to those of direct broadcast reception. Work is now proceeding on a compact recording attachment which will enable the unit to pick up as well as to reproduce program material in a portable system adapted to field pickup use.

On **Splicing Videotape**, a brochure issued by the Professional Products Div., Ampex Corp., 934 Charter St., Redwood City, Calif., gives step-by-step instructions for the proper use of the Ampex Videotape Splicer (*Journal*, Oct. p. 715 and Nov. pp. 730-733). The instructions picture and explain how to load the tape developer pen, how to load the splicing tape and how to use the splicer. An experienced operator is expected to accomplish the entire operation in less than a minute. Two different methods of locating the spot where the cut should be made are explained. The choice of method will depend on the preference of the operator and/or the character of the job. One method is similar to that used in editing audio tape. When this method is used, the operator simultaneously turns the supply and takeup reels by hand so the tape can be moved past the audio head until the proper spot on the soundtrack is located. The second method for locating the splicing area is to watch the TV monitor and stop the machine the instant the desired scene comes into view. Certain precautions are explained, such as the importance of keeping magnetized objects away from the recorded magnetic tape.

Applications of Ampex VR-1000 Videotape Recorders are described in an illustrated brochure issued by the Professional Products Div., Ampex Corp., 934 Charter St., Redwood City, Calif. Among the applications described are remote recordings in wind-tunnel test operations, radiation areas, rocket and missile launchings; re-

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coding from guided missiles and explosive or volatile tests; educational television; recording in hospitals; radar and data recording.

An illustrated audio-visual equipment catalogue, No. 59, describing an expanded line of products is available from the Harwald Co., 1245 Chicago Ave., Evanston, Ill. The firm's equipment includes film inspection machines, splicing equipment, sound projectors, film and disk storage cabinets, film cleaning and conditioning solutions, recording tape and other items.

A rapid 35mm processor has been announced by Industrial Products Div., Fairchild Camera and Instrument Corp., Robbins Lane, Syosset, L.I., N.Y. Designed to operate under daylight conditions and to use any size spool, it is reported to operate at speeds up to 6 ft/min with 400 ft of film processed at one loading. Called the Mini-Rapid 35, the processor weighs 120 lb and is 15 in. deep, 13 in. high and 37 in. wide. The unit is designed around a plastic drive insert in each solution tank which transports the film and at the same time provides solution agitation and squeegee action. The firm's Mini-Rapid 16 was made available earlier.

The FA-100M, a spray-processing machine for black-and-white film, has been announced by Hi-Speed Equipment Inc., Artisan Industries, 73 Pond St., Waltham 54, Mass. Features include combination operation which permits 16mm or 35mm film to be run successively without adjustment or conversion, continuously adjustable speed, a 15-min warm-up time, remote dial thermometers to indicate temperature of developer, hypo and wash water, air squeegees to prevent mechanical abrasions, impingement drying, and a built-in water blender which mixes a total of 2½ gals per min to the desired processing temperature. Power requirements are 30 amp, 208-v, 3-phase, 60-c. Dimensions of the daylight end of the machine are 8 ft long, 30 in. wide and 6 ft high. The dark end is 46 in. long, 24 in. wide and 5 ft high.

The TCR-1, a temperature-compensated red filter which provides a constant cutoff in temperature up to 80 C has been announced by Fish-Schurman Corp., 70 Portman Rd., New Rochelle, N.Y. The filter was developed for use in color motion-picture film printing to overcome the disadvantages of the shifting of a red filter in response to temperature changes. The temperature-compensating feature is obtained by cementing on the inside with a thermosetting cement a multilayer interference coating to a light-colored red glass 3mm thick. The present filter is 55 mm in diameter and the coated or usable area has a minimum diameter of 49 mm.

An air squeegee for 16mm and 16/35mm film has been announced by Filmline Corp., Milford, Conn. The squeegee is designed for low-pressure operation to provide a cushion of air support as the film passes between the rollers so that, under normal use, the emulsion does not touch the rollers. An

adjustable gap allows splices to pass freely. The 16mm model is priced at \$55.00 and the 16/35mm model is priced at \$68.00. Oil-Less Rotary Air Compressors with motors are offered to operate one 16mm, three 16mm or one 35mm, or six 16mm or two 35mm squeegees, priced at \$187.50, \$245.00, and \$397.00, respectively.

Use of a new vinyl-based dampening compound has resulted in a weight reduction of Altec multicellular horns by a ratio as high as 4 to 1, as announced by Altec Lansing Corp., 9356 Santa Monica Blvd., Beverly Hills, Calif. For example, the type of horn formerly weighing 250 lb now weighs only 80 lb. The horns are constructed of metal cells and are available in various cell sizes and configurations of 8 to 18 cells. Exterior surfaces are covered with the dampener to eliminate internal resonance and ring. The horns may be used with Altec 288B, 290C, or 730A driver loudspeakers in one- or two-way speaker systems.

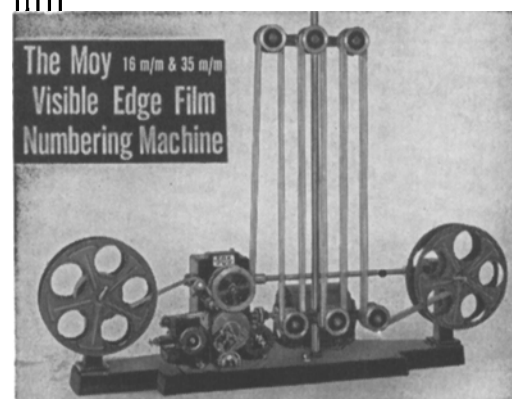
An electromechanical transducer or loudspeaker, rated for continuous operation at sound pressure levels up to 166 db of random noise and up to 170 db at discrete frequencies, has been developed by Avco Research and Advanced Development Div., 201 Lowell St., Wilmington, Mass. The device was specially designed for acoustic noise testing of missile and rocket components and systems to military specifications. It is an electromagnetic unit with a moving coil which has a diameter of 12 in. The

heart of the unit is the plastic and fiber glass reinforced moving coil diaphragm assembly which is suspended by U-shaped beryllium-copper springs from the electromagnetic housing. The acoustic energy produced by the diaphragm is focused and sent through an expanding horn to an opening, 4 in. in diameter, in the speaker structure. In testing operations, the noise generator is used with a progressive wave tube or reverberant chamber. The unit is 35 in. high, 24 in. long, and 26 in. wide. The random noise input power is 3 kw. The frequency range is 20 to 2400 cycles with a nominal impedance of 2 ohms.

A new whiteness reflectometer has been designed by Hunter Associates Laboratory, Inc., 5421 Brier Ridge Rd., McLean, Va., to measure the whiteness, reflectance, yellowness and opacity of white and near-white paints, papers, textiles, ceramics, foods, plastics and soap products. It can be equipped with an ultraviolet absorbing filter which may be alternated between the incident and the viewing light beams to measure directly the contribution of the widely used fluorescent brighteners to specimen whiteness. The instrument uses paired vacuum tubes in a null Wheatstone bridge circuit. It employs a 45° geometry and has green and blue tristimulus filters each with a separate pair of phototubes. The firm has also announced a digital-dial Color and Color-Difference meter designed primarily to detect small color differences in industrial products.

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University of Southern California,
Los Angeles, Calif.
Telefilm, Inc., Hollywood, Calif.
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Western Branch: 6331 Hollywood Blvd., Hollywood 28, Calif.

A series of tuneable Magnetron R-F Supplies from S through K_a bands, particularly suited for use on antenna pattern ranges and other applications where a pulsed magnetron source is required, is manufactured by California Technical Industries Div. of Textron Inc., 1421 Old County Rd., Belmont, Calif. Each Supply is divided into three units, a modulator, an r-f source, and an optional remote control unit to permit control from any direction. Typical specifications for the r-f sources are -- X-band: type 2J51 magnetron; tuneable, 8500 to 9600 mc; 35-kw nominal peak power. S-band: 2J66 magnetron; tuneable, 2845 to 2905 mc; 15-kw nominal peak power. Other units are tuneable where tuneable magnetrons are available.

An underwater housing designed especially for Bell & Howell Filmo and Eyemo cameras features large front and rear port to simplify viewing and make it easier for the photographer to keep the camera on target. A product of Sampson-Hall Co., the housing is distributed by Gordon Enterprises, 5362 North Cahuenga Blvd., North Hollywood, Calif.

A new Ready-Eddy 8/16 film computer, a companion to the original 16/35 device is available from Ready-Eddy, Sandy Hook, Conn. The computers show screen time for a given footage, length of the film or scene for a given period of screen time, num-

ber of frames required for a certain action or effect and similar information. Ranges are from 1/4 ft to 1638 ft and from 1 sec to 45 1/2 min. The computers are priced at \$2.95.

The Kodak Mincard System, a high-speed information system which combines the advantages of microfilm, punched cards, and digital computing techniques, has been developed by Eastman Kodak Co. Some components of the system were developed by Magnavox Corp. The system records documents, pictures or other information electronically on a film area about the size of a postage stamp. Through the use of electronic controls any desired information can be obtained by searching the records automatically at speeds which would correspond to evaluating 1000 such records per minute. Documents or other information together with identifying code signals are contained on each film record and each record may include up to 12 legal-size documents at a reduction ratio of 60 to 1. When the specified record has been found its contents may be examined at full size on a reader. Duplication of the records or of full-size paper prints may be made automatically.

More than 75 books on motion-picture and TV subjects are described in the current book list of Mole-Richardson Co., 937 North Sycamore Ave., Hollywood 38. Most of the books have been reviewed in

the *Journal*. The list gives a brief description of the contents of each book together with the price. The company's current catalogue, Catalogue G, contains illustrations and descriptions, including specifications, of specialized lighting equipment produced by the firm. A separate price list is included in the catalogue.



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Positions Wanted

Audio-Visual Production. Freelance experienced in all phases of audio-visual production wants assignments on West Coast. Fully equipped for 35mm slidefilms, slides and 16mm motion-picture production; also equipped for editing. References available. Write: J. S. Paul, c/o J-Me Films, P.O. Box 6143, Bakersfield, Calif.

Theatre Sound and Projection Technician, 37, married, seeks position with Canadian theatre supply company. Experienced in installation of theatre projectors and some theatre sound and p.a. systems, maintenance of Simplex and other projectors, sound work on Ballantyne and other sound systems; first class B.C. projectionist since 1949 (in projection 13 yrs); qualified TV service technician, have built own test equipment including VTVM, signal generator, oscilloscope, complete television receiver and miscellaneous electronic test equipment. Employed as projectionist by Famous Players Canadian Corp. since 1950; seeks position that will further utilize qualifications; willing to relocate anywhere in Canada. Write: A. P. Mulcahy, 604 Nicola St., Kamloops, B.C., Canada.

Industrial Photographer, cameraman, producer. Broad experience: still and motion pictures production; camera, editing, darkroom b&w and color printing and processing, transparency duplication. 18 yrs working practice in industrial, commercial, educational, scientific, medical and documentary films. Good knowledge of production and use of audio-visual media. Presently working as production supervisor for a large color lab, but finishing agreement and available on short notice. Good background, master's degree; ambitious and reliable personally, Spanish language; able to manage production unit, design and organize a photo dept. Have some equipment, will relocate. Write M.G., 68-46 Groton St., Forest Hills 75, N.Y.

Motion-Picture Production, Presentation. Energetic, versatile, age 26. Thoroughly experienced in all technical phases of motion-picture production, 16 & 35mm, including formulation, writing and editing of scripts for TV commercials, educational, industrial, R&D and public relations films. Work experience includes: Prod. Asst., Elliot-Unger-Elliot Motion Picture.

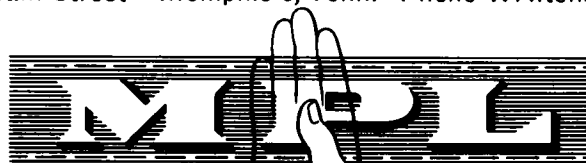
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