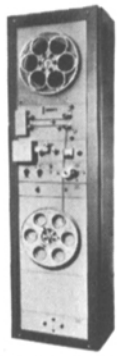
REEVES EQUIPMENT HAS

THE LATEST from MAGNA-TECH

OMD-135 OPTICAL and MAGNETIC DUBBER

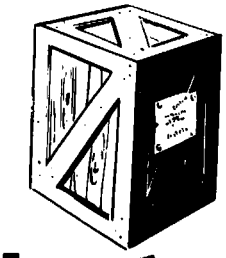


The perfect blend of the latest improvements in film-drive design and elctronic magnetic recording are incorporated in this Magna-Tech Model for continuous commercial duty ■ The film drive employs the tight loop, double flywheel system, which provides continuous and constant film tension between the playback head and film surface. Thus, the shortcomings of the single flywheel film drive, such as drop-outs caused by variances in film thickness, curled film, or eccentric drums and/or bearings, are eliminated. An Air Dash pot is used to dampen the flutter suppressors, and no maintenance of this pot is required since it is of the silicone-oil type ■ There are some rather unique features incorporated in the Magna-Tech Dubber. By using small film sprockets, flutter is kept to an absolute minimum, which also eliminates problems encountered with shrunken films. Hum pick-up from the magnetic head is reduced considerably by the use of heavily Nu-Metal shielded heads; these non-microphonic heads do not require shock mounting. All parts in model OMD-135 are corrosion resistant, and shafts, bearings, springs and fasteners are stainless steel ■ Magna-Tech's complete line of recording equipment and accessories is one of the many photographic brands exclusively distributed throughout the world by ——

REEVES EQUIPMENT CORP.

10 East 52nd Street New York 22, New York

Write Dept. S-3 for further information and a complete Reeves catalog.



new products

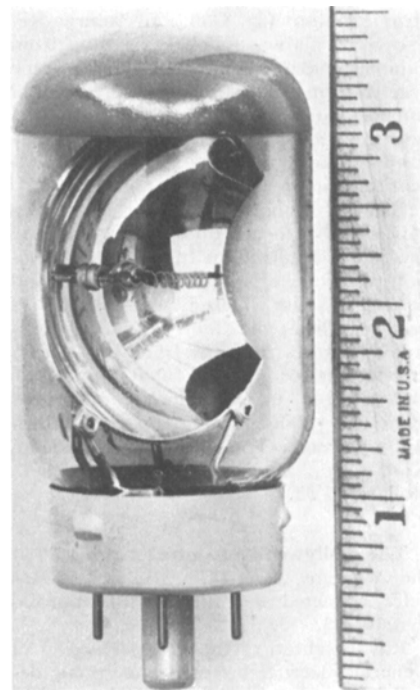
(and developments)

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.

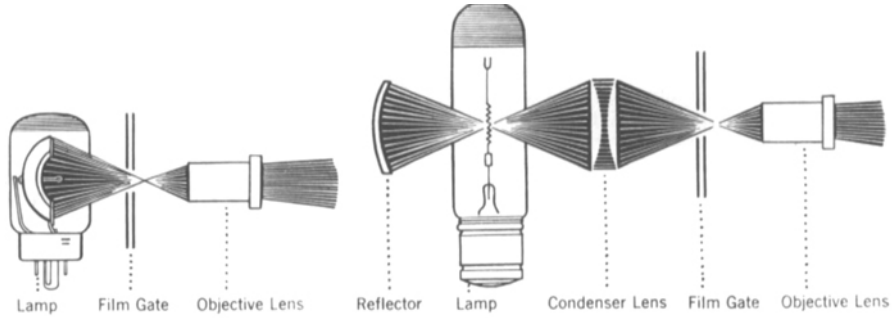
A 10,000-w spotlight lamp announced by the Large Lamp Dept. of General Electric Co., Nela Park, Cleveland 12, employs a new type of tungsten wire screen to reduce blistering and blackening of the bulb. The protective screen, placed between the filament and the glass bulb, eliminates one of the causes of bulb damage by trapping evaporated tungsten before it can reach the glass. Unless a protective device is used, the tungsten evaporating from the high-temperature filament collects on the inner surface of the bulb raising the temperature of the glass to the point where it softens and forms a blister. The new lamp's effective operation is given as approximately 75 hours. The addition of the protective screen is reported to have little effect on the beam pattern and intensity of light. Listed as 10K/G96, the bulb is priced at $98.00.

A ⅜-in. 150-w lamp for an 8mm projector, designed to equal a 500-w lamp in screen brightness, has been introduced by Sylvania Electric Products Inc., 1740 Broadway, New York 19. Called the Tru-Flector, the 115-v lamp utilizes a 150-w, specially designed horizontal coiled coil filament which is exactly positioned in relation to a silvered metal mirror within the lamp. The filament is mounted on the same base as that of the company's Tru-Focus horizontal-burning lamp introduced early in 1956 (*Journal*, Apr. 1956, p. 24).

Design of the new lamp is based on the principle used by the designers of the earlier lamp in which a filament is accurately positioned with respect to base and socket. Research leading toward other applications, such as 16mm and 35mm projection, is being carried on in the company's laboratories. The rated average life of the new lamp is 15 hours, with a minimum lumen rating of 95 screen lumens. It burns in a base-down position.



An adaptation of the Weinberg-Watson Kodak Analyst Projector has been introduced by Camera Equipment Co., 315 W. 43 St., New York 36. The original model was described in an article, "A 16mm Projector for Research Films" by S. A. Weinberg, J. S. Watson and G. S. Ramsey in the *Journal* for November 1954, pp. 196–198. An improved model was described by the same authors in the June 1957 *Journal*, pp. 361–363. The adapted model features single frame operation in both forward and reverse. Special construction allows the projector to be stopped on any single frame indefinitely without damage to the film. The projector also features quick transition from continuous to single-frame operation, or vice versa, and remote control of film transport and direction of travel. Designed at the University of Rochester School of Medicine and Dentistry, it is especially applicable in the analysis of sports films, time and motion studies or manufacturing processes. It is priced at $795.00.



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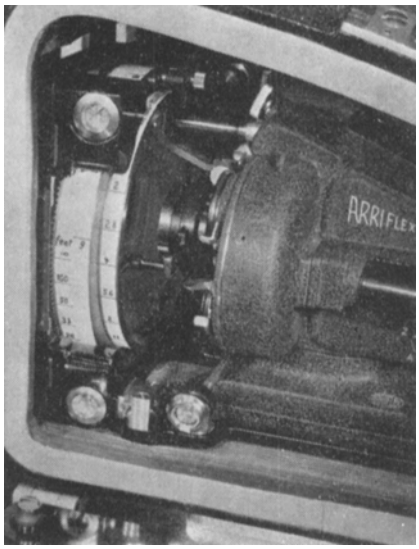


The 20-year-old Arriflex 35, originally designed as a "system camera" with its potentialities dependent on the addition of accessories, is now applicable to full-scale production use with the addition of the new 1000-ft Arri Blimp. Announcement by the Kling Photo Corp. of 257 Fourth Ave., New York 10, and of 7303 Melrose Ave., Los Angeles, 36, of the new development, stressed the camera's "through-the-lens" focusing and viewing feature which is maintained by the new blimp. The 1000-ft blimp is a further development of the 400-ft blimp, introduced about 4 years ago, which permits use of the Arriflex in soundstage filming.

In operation, the camera's regular d-c handgrip motor is unscrewed and replaced by the standard Arri sychronous-motor drive. The entire unit is then placed inside the blimp, where it rests upon rubber blocks for proper sound insulation. The blimp is designed to accept 1000-ft Mitchell magazines without modification of the magazines, or the use of special tools. A simple adapter is joined to the magazine before placing it in the blimp. A large knob on the front left of the blimp actuates the diaphragm and three knobs, two on the left and right sides of the blimp in front, and one in the rear, control the focusing.

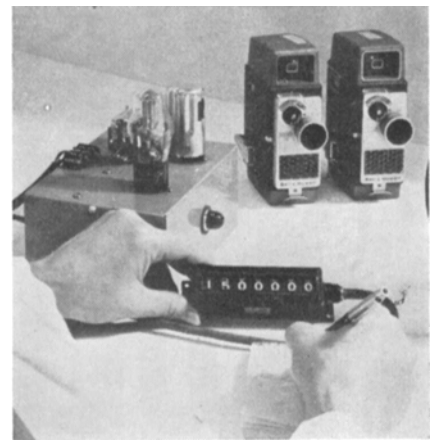
Diaphragm and distance settings are observed on detachable scale bands located behind the soundproof, internally illuminated observation windows on both sides of the blimp. The bands are individually calibrated for each lens and are changed to match the taking lens. Wide-angle lenses can be used.

Other features include two filter stages for standard 3 by 3-in. glass filters; two rear observation windows for the footage counter and tachometer; three doors in addition to the front port to provide access to the blimp interior; and a pulsating pilot light to indicate proper running of the camera. The blimp housing is a magnesium alloy die casting first lined with ten alternating layers of goat-skin, foam plastic and sheet lead, and finally lined with gray corduroy with heavy rubber gaskets surrounding both sides of all doors.

The manufacturers suggest the addition of a buckle switch to be located in the camera head over the lower loop. When the end of the film passes the switch, or in case of film jam, it automatically disconnects the motor, causing an audible signal.

The blimp, complete with accessories but without camera, synchronous motor or magazine, is $3995.00

A device for butt-splicing 16mm and 35mm film with "Magic Mylar Sprocketed Transparent Splicing Tape" has been announced by Florman & Babb, 68 W. 45 St., New York 36. In using the F&B Butt-Splicing Blocks, the film is registered over a set of sprocket pins and cut. The Mylar tape is placed on the block, sticky side up, and the film is lowered onto the tape. Available in four models, the blocks are made of anodized aluminum and are non-magnetic. Model B-16 for 16mm film is priced at $9.50; Model B-35 for 35mm, at $12.50; Model B-4 for ¼-in. magnetic tape is priced at $6.50; and the BSB combination block for both the films and for tape is priced at $24.50.



The electric eye mechanism of Bell & Howell 290 EE 8mm cameras was subjected to a 90-day endurance test (Aug.–Nov.) during which the cameras functioned 15,000 times each day for a total of 1½ million cycles under maximum strain conditions. The human eye, if subjected to similar conditions, would be permanently damaged in a fraction of the time during which the camera mechanism was tested.

An intermittently flashing light placed a few inches from the cameras causes the irises to adjust from complete darkness to blinding brightness in less than a second. An electronic counter records each light flash. By running the tests continuously the chance of the cells resting and storing up energy is eliminated. Although in terms of actual camera use the testing of the two stock-model cameras has already gone as far as the equivalent of shooting 50 rolls a year for 750 years, engineers now estimate that the cameras may continue to operate in the test for another three years around-the-clock.

The Lanco Electronic Relay designed especially for safe operation of laboratory water baths is a product of Arthur S. LaPine & Co., 6001 South Knox Ave., Chicago 29. A 4-way panel switch provides "fail-safe" load switches. Safety for the water bath operation is ensured by isolation of d-c control from a-c power line. A fact sheet is available from the company upon request.

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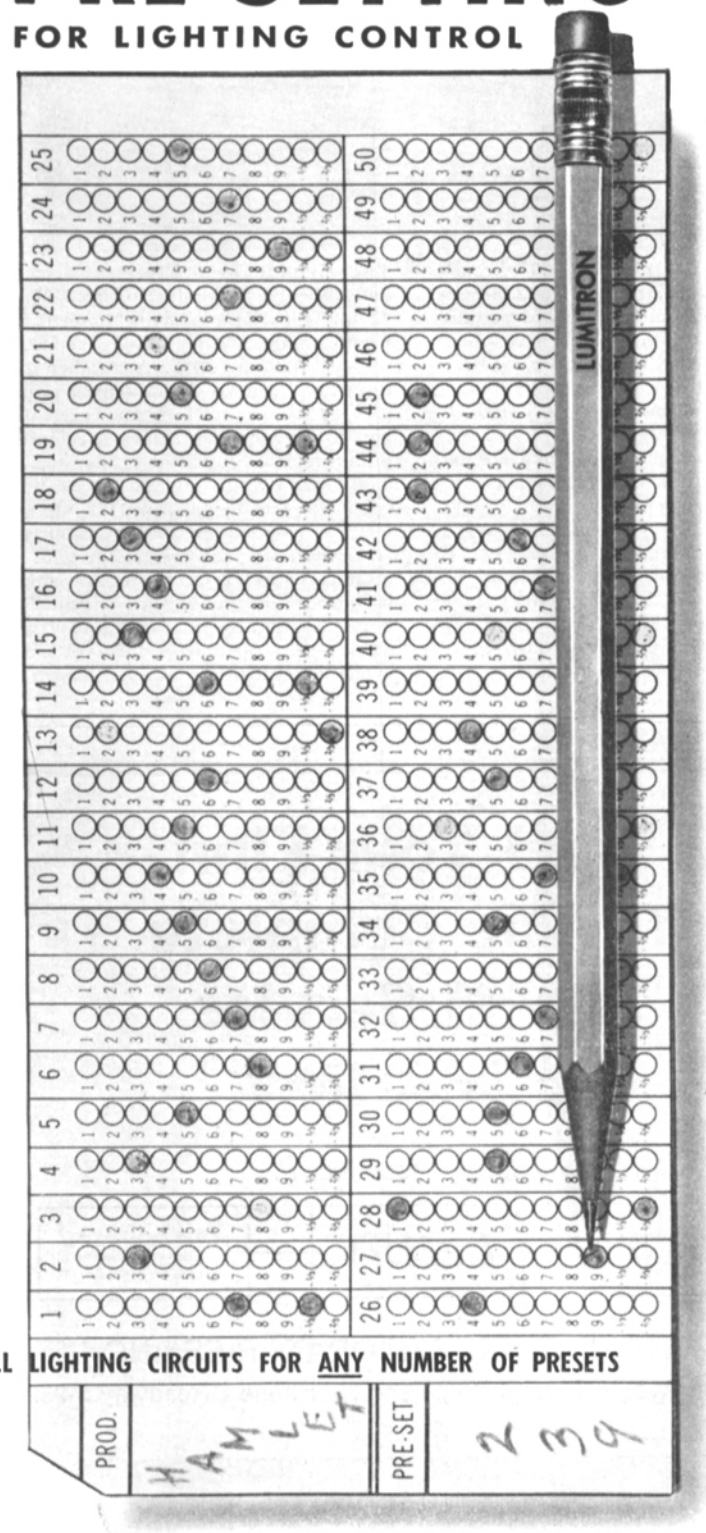
FOR LIGHTING CONTROL



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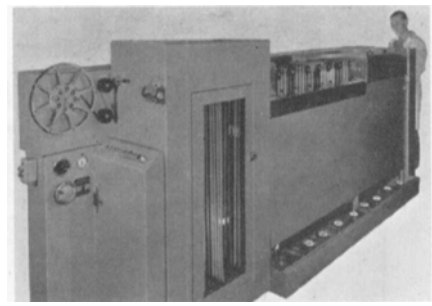
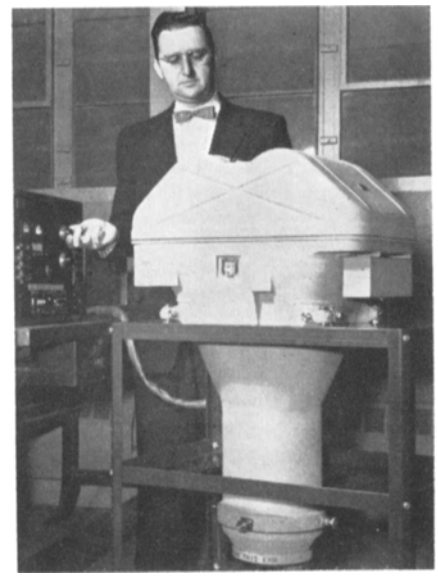
Amplifier Corp. of America, 398 Broadway, New York 13, has designed a self-contained stereophonic tape recorder called Stereo-Magnemite. Protected by a weather-tight aluminum case, the recorder has been designed especially for field use under varying conditions. Three single-speed models are available: 3¾-, 7½- or 15-in./sec. Secondary and primary NAB standards are met by the 7½- and 15-in./sec. models.

The 17-lb recorder measures 8½ by 11 by 10-in. Playback amplifiers are powered by dry-cell flashlight batteries and one B battery. A patented flyball governor on the spring motor is used for constancy tape speed with a reported low flutter of ±0.1% over the full winding cycle. Two clear channels are used for stereophonic recording with independent gain adjustment for each channel. Recordings can be made while the unit is in motion or in varied positions. It is priced at $425.00.



The Filmline R-90 Processor has been, announced by Filmline Corp., Milford, Conn. It is a processor for 16mm reversal, negative and positive film at speeds up to 5400 ft/hr at 68 F. A number of features are included as standard equipment such as stainless-steel air squeegees, oil-less air compressor, developer, recirculating pump, replenishing fittings, filter and spray bar. Two 1200-ft daylight magazines are supplied. The feed-in and take-up elevators are designed for continuous operation. A temperature control system with thermostats, called Temp-Guard, provides refrigeration and heating for chemical solutions. The unit operates at 220 v, 60 cycles, single phase, 30 amp. Other voltages are available. It is priced at $14,800.

A 16mm reversal black-and-white film specially prepared for use in tissue culture time-lapse microphotography is manufactured by Gevaert Co. of America, 9109 Sovereign Row, Dallas 35, Tex. An emulsion called Cine Phase 26 has been developed for this special use. The film is priced at $7.50 per 100-ft roll, 16 mm, on daylight-loading spools and the price includes processing by Photographic Laboratories, Inc., 3101 San Jacinto St., Houston 2, Tex. A discussion sheet has been issued by Electro-Mechanical Development Co., 2337 Bissonnet, Houston 5, Tex.



A photographic reconnaissance system that can function at supersonic speeds and at extremely high altitudes has been designed by Fairchild Camera and Instrument Corp., Robbins La., Syosset, L.I., N.Y., for the Convair RB 58, a supersonic bomber which flies at speeds in excess of 1130 miles per hour. The system, contained in a detachable pod which can be interchanged for bombing or electronic countermeasure pod systems, employs seven precision aerial cameras and has an overall weight, including instrumentation, of 998.4 lb and occupies 65 cu ft of space.

A significant new feature of the system is its use of closed-circuit TV to enable the photo-navigator to identify landmarks and targets. Positioning features permit manual adjustment of the line of sight of the TV camera to ± 45° relative azimuth limits and from zero to 90° elevation limits. A narrow or wide optical field of view is provided. The telephoto lens has a 10° field while the alternate lens provides a 40° field. Stabilizing optics are employed to present an image in which the horizon remains horizontal in reference to aircraft.

Three new types of aerial cameras were designed for the system, with negative sizes of 9 by 18-in., 9 by 9-in., and 2¼ by 2¼-in., and designated the KA-27, KA-25 and KA-26, respectively. The KA-27 Reconnaissance Camera, with telephoto lens, shown above, has a Rapidyne shutter with continuously variable effective exposure times up to 1/550 sec, servo-controlled aperture settings from *f*/8.0 to *f*/22, and a lightweight magazine for 500 ft of standard 9½-in. aerial film. It is described as a complete unit requiring only power and input intelligence for operation.

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A newly designed camera control system operates automatically or can be controlled manually. The system provides synchronization so that exposure occurs at the same instant in each camera group. Automatic exposure control selects the proper shutter speed and diaphragm opening for each camera in the system for best results over a wide range of light conditions. Image motion compensation is achieved in the system by matching or synchronizing the film velocity with image speed at the time of exposure.

The cameras can be assembled in the pod in two configurations, a Hi-Lo altitude, or Low altitude, depending upon mission and flight plan. The pod for the Hi-Low system contains three 9 by 18 cameras mounted in a single stablized mount; three 9 by 9 cameras, two mounted in a fixed oblique mount and a third in a prime vertical stabilized mount; and a single $2\frac{1}{4}$ by $2\frac{1}{4}$ camera mounted in a fixed forward oblique mount.

A time index recording sub-system has been designed in conjunction with the aircraft's central recording system and the readout devices used with the ground processing equipment to permit automatic printing of all pertinent correlation data on the photographs.

The system operates with a central data recording system containing a central time standard capable of providing a time base in coded form through which all other data are correlated. The central recording system is capable of recording all physical data required for future interpretation, such as velocity, altitude, earth coordinates, weather conditions and other physical conditions as may be required.

Ground processing equipment capable of automatically reading the recorded time base information at high speeds provides for rapid correlation of individual photographs with associated physical data. Through the use of related titling equipment the film negative can be automatically titled so that the intelligence agency receives photographs with all necessary correlation data printed in English with a minimum of delay. The ground-based processing also includes a special radar film viewer-printer which allows the interpreter to view an enlarged projection of the image of selected frames, make necessary annotations, and then print both an enlarged print and a strip of edited, annotated radar film.

The first issue of *Flight Recorder*, published by Flight Research Inc., 116-55 Queens Blvd., Forest Hills 75, N.Y., describes the firm's Multidata camera Model III B, which succeeds Model II. The new model features operation to 212 F, new synclutch, 400-cycle motor, new cable connector and cable, external master-slave switch and new shutter. It is interchangeable with Model II and available at the same price of $1100.

The new publication, which will appear "about once every six weeks," according to the announcement, contains technical information and illustrations of the company's new products and developments.

Formerly Flight Research Engineering Corp., the company was reorganized in 1953 under its present name. While continuing research and development activi-

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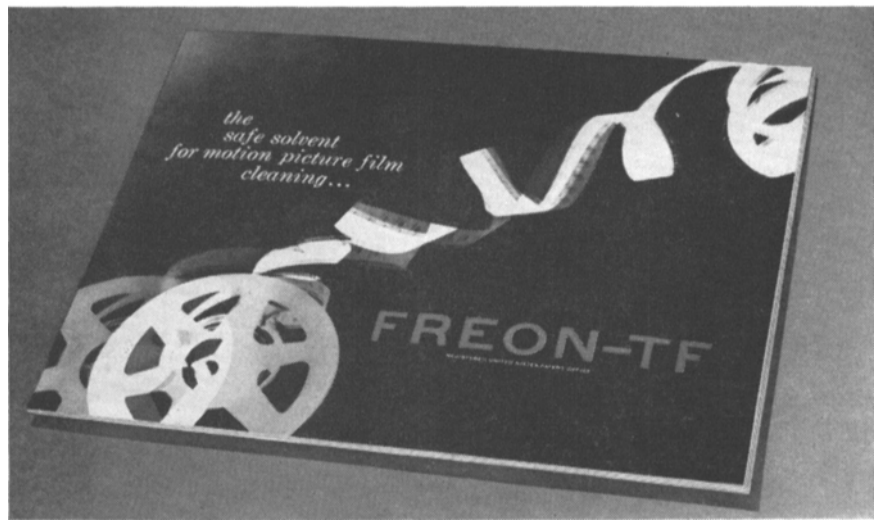

FREE BOOKLET ON DU PONT'S NEW SPECIAL-PURPOSE SOLVENTS

It will pay you to investigate film cleaning with Du Pont's unique new Freon*-TF solvent. "Freon"- TF dissolves oils, greases and gums from film safely and efficiently—it's harmless to all film bases and emulsions—repeated cleaning has no adverse effect on color or magnetic sound striping. Du Pont's new film-cleaning solvent is nonflammable and virtually nontoxic. Personnel can use it for long periods with adequate ventilation. Practically odorless, "Freon"-TF solvent is much more pleasant to use than ordinary solvents.

"Freon"-TF solvent can be used in existing equipment. It does a remarkable machine-cleaning job and, because of its exceptional safety, is ideally suited to hand cleaning methods.

Send for your free copy of Du Pont's booklet describing how you can use "Freon"-TF in film cleaning. Mail the coupon—there's no obligation.

*Freon is Du Pont's registered trademark for its fluorinated hydrocarbon solvents.

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SAVE 200%
OF YOUR
DEVELOPING COSTS
ON
STILL & MOTION PICTURE
FILMS
WITH
PRA 400
the developer formula
with ENERGY-PLUS

John I. Newell, Western Cine Service Inc. of Denver, Colorado says of PRA 400, "Two years ago we obtained a sample of the Hoffman Laboratories developer known as PRA 400. This formula had been very successfully used for fine-grain development of still film. OUR TESTS INDICATED THAT IT WOULD BE VERY WELL SUITED FOR MOTION PICTURE FILM DEVELOPMENT."

Enough of the prepared powder was obtained to mix 20 gal of developer plus a supply of the PRA 400 replenisher formula. "THIS INITIAL SOLUTION HAS BEEN USED TO PROCESS NEARLY 100,000 FT. OF NEGATIVE FILM IN THE PAST YEAR. THE INHERENT KEEPING QUALITY FAR EXCEEDED EXPECTATIONS. At standard ASA ratings, films were immersed for 2 min at 72 F in this developer. DELIVERY RATE TRIPLED OVER THAT OBTAINED WITH D-76 AND THE COST OF CHEMICALS WAS REDUCED.

"Image quality was noteworthy, grain at a minimum, even in forced processed negatives. Contrast remained normal throughout the scale of the film. No staining or spotting problems have ever been encountered. Direct comparisons of identical negative materials processed to equal gamma in PRA 400 and D-76 have been made. The PRA 400 has proven to be a finer-grain formula. In terms of density range, PRA 400 and D-76 are quite similar. On several occasions Eastman Type 7302 release positive was processed in this developer. The low-contrast result was well suited for telecasting. Kinescope recording film Type 7374 responded very well and proved quite simple to achieve the indicated gamma of 1.1 consistantly. IN POINT OF FACT, WE HAVE BEEN ABLE TO PINPOINT OUR CONTROLS WITH FAR LESS DRIFT THAN EVER BEFORE."

PRA PRODUCTS, INC.
distributed by HOFFMAN LABS., INC.
350 W. 50th ST., NEW YORK, N.Y.

ties, it also manufactures photographic data-recording equipment under the trademark Multidata. Represented west of the Mississippi by Traid Corp., Encino, Calif., the company also has distributor agreements with Neyhart Enterprises, Inc., Rolling Hills, Calif. and Huber Industries, Cincinnati.

Establishment of Space Technology Laboratories as an autonomous operating division of the Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, has been announced. The new division is an outgrowth and extension of the former Guided Missile Research Div., a unit of the company responsible for the technical direction and systems engineering for certain developments of the Air Force Ballistics Program.

A newly established division of Cohu Electronics, Inc., San Diego, Calif., will conduct a program of research and development in the fields of electronic instrumentation and process control. The new unit will maintain laboratories at 14743 Lull St. and will be under the direction of Martin L. Klein.

United Testing Laboratories, 573 Monterey Pass Rd., Monterey Park, Calif., is a recently completed facility of United Electrodynamics, 1200 Marengo Ave., Pasadena, Calif. The building occupies 18,000 sq ft in a 30,000 ft area. Atmospheric controlled electronic laboratories occupy 7500 sq ft, and 10,500 sq ft additional floor space is given to the general mechanical and environmental testing area.

The new facility includes a gyroscope system testing laboratory and a program is now underway to evaluate and supply reliability and safety data on various fusing systems for the Ordnance Divisions of the Army and Navy. In addition to the gyro and fusing laboratories there are laboratories for research and testing of standards, electronic components, electronic systems, instruments and electromechanical equipment. A recent acquisition is a 50 cu ft high altitude chamber that will simulate the change from sea level to 60,000 ft in 30 seconds and attain an altitude of 300,000 ft.

The complete facility is for the use of industry on either a project or a long-term continuing basis.

A system for transmitting pictures over telephone lines by slow-scan television has been announced by General Electric Technical Products Dept., Electronics Park, Syracuse, N.Y. The system was developed for military use and the first installation is planned for early this year. Technical details are unavailable because of security regulations, but it has been reported that the telephone-TV reproduces televised pictures at the rate of one image in 5–10-sec intervals instead of the usual 30 frames/sec in commercial television.

A closed-circuit color TV system has been installed at the underground headquarters of the Strategic Air Command at Offcut Airforce Base, Omaha, Nebr., by Radio Corp. of America. The system will be used to transmit briefing information, air intelligence and weather data to any one, or a combination of, key viewing locations throughout the A-bomb-proof underground structure.

The installation includes five live color TV cameras; a 3-vidicon color TV camera system for integration of filmed material; a monochrome industrial TV camera for surveillance of personnel entering the Operations Control Room; special remote-control equipment; associated power and program-switching systems; and 21-in. color TV monitors. Complete control facilities are in a centralized control room.

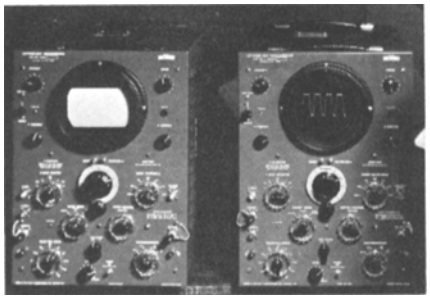
The daily briefing, intelligence and weather colorcasts are programmed in the control room which also receives signals from the color cameras. Special switching equipment enables the control room operator to feed any combination of the five incoming signals to any combination of the receiver locations. Three of the five color cameras are located in the Operations Control Room, a fourth is installed in the Air Intelligence Room, and the fifth is ceiling mounted in the Weather Room where it overlooks a special weather-vision table which permits rapid adjustment of weather maps to conform with changing conditions.

A "**pure-picture**" 21-in. TV monitor has been announced by Radio Corp. of America to provide broadcasters with a new high standard for testing and evaluating the performance of station color studio and transmitting equipment. The RCA Broadcast and TV Equipment Dept. reports technical advances including feedback stabilization, kinescope protection from loss of horizontal deflection or video overdrive, and regulated voltages for stability. The monitor can be adjusted without the aid of an oscilloscope. A built-in test switch is provided together with a screen-grid selector switch for quick viewing of primary colors. It is priced at $3,650.

An animation process developed by Colortech Films, 446 W. 43 St., New York, uses electronics to create motion and color from single black-and-white still photographs or line drawings. Colored artwork, as well as black-and-white, can be used as the basis for the animation if, for any reason, it is desirable to do so.

The process, based on a method of electronically modulating or changing a waveform, is being developed for many potential applications including commercials, fantasies in color and form, unusual motion-picture shorts, and educational uses. The first step in the process is to convert picture information to a waveform. The waveform is then altered by the Colortech process. When the picture resulting from the modulated waveform is filmed and reproduced, the original picture has acquired motion. It appears to change in form or size and can move in any direction in accordance with the will of the technician. The electronically added color is reported luminous and vibrant, creating unusual effects. The process can also be used in superimposing cartoons on conventional motion pictures.

This new method of animation is the culmination of 10 years of research and has been demonstrated at the Johnny Victor Theatre of the RCA Exhibition Hall in New York.



A black-background screen designed for electronic picture viewing under high ambient light conditions has been developed by Allen B. Du Mont Laboratories Inc., 750 Bloomfield Ave., N.J. Described as a "black phosphor" screen it is reported to be the first successful application of a black-background to a phosphor film. Applications include military, industrial and laboratory purposes where daylight viewing or viewing under bright light is necessary or desirable. It is immediately adaptable to airborne cockpit radar equipment. Pictured above is the screen retaining the image while the standard cathode-ray tube screen, at the left, is blanked out by high powered flood light.

Permafilm Inc., 117 W. 48 St., New York 36, has granted a franchise to Magneson of Barcelona and Madrid, Spain, for the processing and distribution of its product. In addition to supplying motion-picture laboratories, the Spanish firm will package the product for the amateur market.

These notices are published for the service of the membership and the field. They are inserted three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Top Animation Cameraman and technician with over 10 yr experience and 3000 commercial or show direction and production credits, desires position with live studio or TV station. Have own equipment including servo-automatic animation stand, adapted Mitchell 35mm camera, 35mm optical and magnetic recording equipment, rotoscopes, 3-D cameras, complete machine shop, still equipment. Experience as mixer, live cameraman, TV camera editor, art director, puppets, color processor, machinist, set construction, etc. Will relocate anywhere throughout the world. Write: Animated commercials, Inc., 451 West 50 St., New York 19.

Motion-Picture Production. Film student currently studying film at Institute of Film Techniques evenings, wishes full-time job in production, preferably in New York area. Recently finished ½-hr film at amusement park in N.J.; now working on experimental color film using animation. Energetic, with knowledge of many phases of film production; main interest and ambitions are in cinematography. Own 16mm equipment. Write: Leonard DeMunde, 534 Tillman St., Hillside 5, N.J.

Motion Pictures. Argentine, age 43, married, relocating permanently in U. S., seeks position with opportunity for advancement, preferably in California. 23 yr experience in photography, 12 yr teaching at government school; head of motion-picture dept. of local engineering college; familiar with most technical problems; lineal drawing; degree in optics; writer for photog. magazines; workable knowledge English language. Would prefer work in color lab but would consider other positions. For detailed information write or cable: Juan Esnaola, Lagos 1210, Rosario, Argentina.

Engineer-Photographic. Extensive experience in design and development of military and consumer opto-electromechanical photographic products and instrumentation. Capable of assuming complete responsibility from creative inception to acceptable prototype. Experience in manufacturing procedures, design simplicity and parts interchangeability. Seeking project assignment or part-time engagement. Foto, 495 Hempstead Turnpike, W. Hempstead, N. Y.

Administrative Engineer. The SMPTE's former Staff Engineer, Henry Kogel, is seeking a new position, after 6 years working with SMPTE Engineering Committees and the motion-picture standards program; also serving as Secy, American Standards Assn. Sec. Committee PH22, and Tech. Secy, International Standardization Orgn. Tech. Com. 36, Cinematography; 2 years, previously, develop. engr. with Sperry Gyroscope Co.; B.S. Elec. Eng., Columbia Univ., 1948, after military service as radio off.; recently sales engineer with Century Lighting Inc.; age 38; married; complete resume upon request. Henry Kogel, 19–24 202 St., Bayside 60, N.Y.; Tel. BAyside 9-3574.

Film and TV Production Supervisor. Thirty yr theatrical, industrials, trailers and TV commercials. Ten yr advertising agency experience in radio and TV productions. Will relocate. Resume on request. Write: Don McClure, 4 Pasture Lane, Darien, Conn.

Cameraman-Editor and Production Man wishes position with industrial, educational or commercial film producers. B.A. Univ. Miami in radio-TV-film productions. Worked as news cameraman and editor for local TV station. Presently employed as editor and assistant cameraman with producers of industrial films and TV commercials. Married, one child, willing to relocate. Read, write, speak Spanish. Resume available. Write: Sidney Platt, 300 S.W. 31 Ave., Miami 35, Fla.

Writer-Director-Editor. Experienced in all phases film production, from dealing with sponsors to negative cutting. Have written and/or edited theatrical, television and industrial films. Considerable experience in sound recording and dubbing. Educational background includes work at Cornell, Columbia and USC Dept of Cinema. Desires permanent position with New York industrial film company. Resume on request. Write: E. S. Seeley, Jr., 91 Remsen St., Brooklyn 1, N.Y. Tel: ULster 2-1037.

Motion-Picture Engineer. Formerly Technical Supervisor, The Michael Todd Co., Inc. Expert all technical phases motion-picture production and exhibition. Specialized work with all wide-screen systems now in use. Professional background includes responsible positions in production and exhibition with: The Todd-AO Corp., NBC-TV, CBS-TV Newsfilm, 20th Century Fox, RCA Victor, Altec Service Corp. and others. Qualified engineering draftsman. College major: Radio-TV-Motion-Pictures. Age: 32; health: excellent. Seeking interesting, challenging position. Presently employed motion-picture recording. Willing to relocate. Carl E. Warner, 141–60 84th Rd., Jamaica 35, N.Y. Tel: Hickory 1-3357.

Positions Available

Design Engineer. Responsible for product design of new products in field of photog. and meteorological instrumentation based on specification and design parameters supplied. Must have: degree in mech. eng., knowledge of electrical and electronic principles desirable; 3 yr exp. product design or detailed board design in optical or photog. instrumentation and/or mech. or mech.-electrical instrumentation and/or precision devices for low to medium production volume; 1 yr prod. eng. or equiv. exp. in eng. liaison, prod. prototype planning or testing; considerable knowledge machine tools, sand and die casting techniques, material finishing processes, standard fasteners, bearings and other mech. hardware. U. S. citizen. Salary: $650–850 per month. Write: George Bingham, Beckman & Whitley, Inc., 973 San Carlos Ave., San Carlos, Calif.

Development Engineer. Responsible for creative engineering, development tests and experimental design of proposed products. Must have: degree in mech. eng. or eng. physics; thorough knowledge theoretical and applied eng. principles in mechanics, materials, optics, and some electronics; 2 yr exp. with optical devices and/or mech. or mech.-electrical instruments and/or cameras or photog. instrumentation; 3 yr exp. in development or research on precision mech. or elect. devices; high degree creative eng. ability, ability to perform detailed math. analysis of applied eng. problems and outstanding record of performance. U. S. citizen. Salary: $650–800 per month. Write: George Bingham, Beckman & Whitley, Inc., 973 San Carlos Ave., San Carlos, Calif.

Executive Personnel. Expanding 16 & 35mm film company with modern equipment in new building seeks competent, qualified and conscientious executive to take responsibility for lab work, producer's services, sound, animation and direction of production. Permanent position with security. Experience in some or all phases of operation essential; applicant should be interested in more than a routine job; opportunity for profit sharing and possible ownership. In application, give age, education, experience and salary requirements. All replies in strictest confidence. Write: Lab, P.O. Box 411, Dallas, Texas.

Mechanical-Optical Engineer. Must have M.E. background with extensive and intimate knowledge of long focal length optics. Work will involve evaluation and improvement of large tracking telescopes and other optical systems used in missile range instrumentation. Applicants should have the educational and experience background to assume heavy project responsibilities. Salary commensurate with capability, plus outstanding bonus arrangement. Positions are located at Air Force Missile Development Center, Holloman, New Mexico, 10 miles southwest of Alamogordo, N.M. Contact W. F. Goodwin, Personnel Administrator, Land-Air, Inc., Box 394, Holloman, N.M.

Medical X-Ray Film Technical Sales. Unique opportunity with national distributor of medical X-ray film for man with at least 2 yr chemical engineering college and exceptional selling personality. Must have knowledge of medical X-ray film developing, testing and evaluation in order to demonstrate film. Zest, initiative and get-up-and-go are also a must. Starting as salesman in New York area, position as technical sales manager will be open to applicant proving his mettle. Good salary plus commission with genuine growth opportunity. Write qualifications and experience to: L. Monteleoni, 1105 Park Ave., New York 28.