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Education, Industry News

The course in Motion Picture Production, Procedures and Services (Cinema 041), sponsored by the Society in cooperation with the University of Southern California and offered for the first time during the Spring semester (*Journal*, p. 39, Jan. 1962), will be repeated for the Fall semester. Enrollment will again be limited to 75 and applications will be accepted on a "first come, first served" basis. There is no credit given for the course and there are no educational prerequisites for admission. The fee is \$45. Information is available from *John R. Sullivan*, Chairman, West Coast Subcommittee of SMPTE Education Committee, Motion Picture Film Dept., Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood; or from *Herbert E. Farmer*, Cinema Dept., University of Southern California. Applications may be mailed to *J. Philip Hutchins*, University College, Room 256 Adm. Bldg., University Park, Los Angeles 7.

The firm of *Florman & Babb, Inc.* 68 W. 45 St., New York 36, has been appointed distributor for the *Elgeet Vicaudio Sound 8mm Carryall Projector*. This projector is designed for portability and can be used either as a continuous rear-screen or standard projector.

The Needs of Education for Television Channel Allocations is a 192-page report setting forth the results of a survey by the National Association Educational Broadcasters prepared under a contract with the U.S. Office of Education. The main purpose of the study was to determine the television facilities for education that will be needed during the next decade. Various areas and levels of the nation's educational structure were appraised. The report relies in large part on the information gained through numerous interviews with educators and the answers to questionnaires. The report contains a great deal of information in condensed form. A set of 20 maps showing present educational television facilities and possibilities for the future is included as part of the report which is available from the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C. The price is \$9.25.

A report on the Eighth Annual General Meeting of the Institution of Telecommunication Engineers, which was held in conjunction with the Fifth Technical Convention in New Delhi, India, in January 1962, was recently received here. Some thirty-five papers were presented on various subjects within the categories of Radio Physics, Communication Engineering, and Electronics. The three-day General Meeting was opened by an address by *Shri V. K. Krishna Menon*, India's Minister of Defence.

The first Philippine National Festival of Short Films to be held under the auspices of the Film Society of the Philippines took place March 6-10 in Manila. Film entries were shown and prizes awarded for the

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for instant escape of heat.

ADJUSTABLE HEAD
tilts for bounce lighting, is calibrated 30° below and 90° above horizontal. Control arm makes it easy to tilt and lock head at any angle.

SILICON RECTIFIER LIGHT SWITCH
has dimmer control for modeling and setup lighting levels, is conveniently located on handle for instant light control.

ORIGINAL EQUIPMENT ALSO INCLUDES:

FLOOD LENS
Dual-purpose lens affords choice of 110° x 48° or 60° x 54° beam for broader light coverage of subject area.

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Made of specially tempered glass for close-up work. Softens light and reduces contrast.

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BARN DOORS
of ruggedized aluminum construction for easy adjustment and placement of light.

12-FOOT CORD

UNIVERSAL BRACKET
fits all cameras. Special bi-position mounting hole allows unit to be located at the side or 30° to the rear of camera.

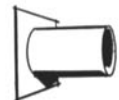
Optional accessories quickly adapt SUN GUN Professional Photo Light for every indoor lighting need.



Accessory holder. Adapts SUN GUN Professional Photo Light to accept the wide variety of specialized optional accessories.



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Snoots. Provide a finely controlled beam for spot lighting of small areas. Two sizes—large, and special optical "Sniper Snoot."



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Large Barn Doors. Permit horizontal control of light beam to conform to specific area lighting requirements or to keep light out of camera lens.



Special 3200°K filter. Converts color temperature of light for use with Type B color film.



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best films in the categories of documentary, cultural and youth. A prize was also awarded for the best film in all categories. Headquarters of the Film Society of the Philippines is at R-346, William Li Yao Bldg., Rizal Ave., Manila. The Society, which now has more than 300 members, has among its purposes the improvement of censorship procedures and the encouragement and improvement of all phases of film production. The organization supports educational film programs in the Philippine schools and also organizes film workshops for training and development in the making of nontheatrical films.

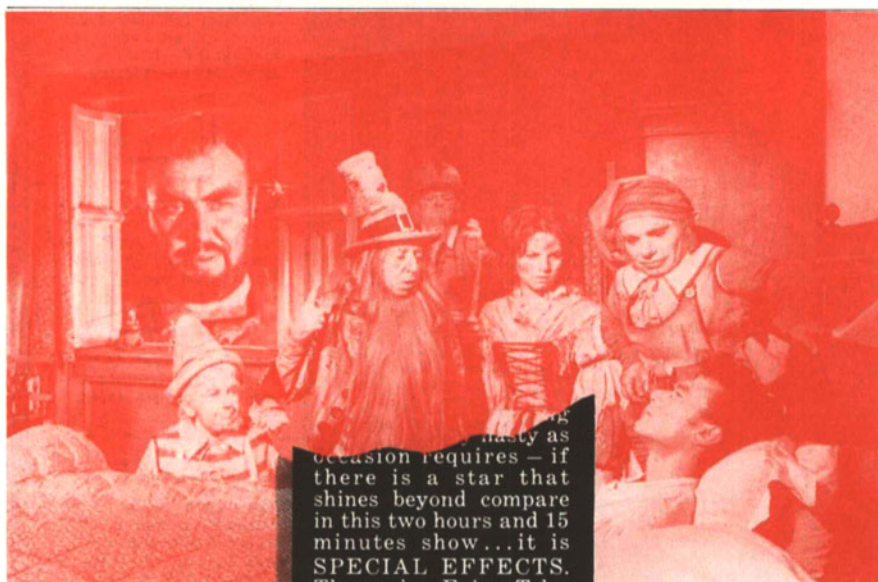
A new teaching device called Projecto-Maps has been developed by Encyclo-

paedia Britannica Films, Inc., 1150 Wilmette Ave., Wilmette, Ill. Made as filmstrips, each one provides the teacher with a set of maps covering the significant physical, political and economic features of an area. The filmstrips are said to be an improvement on conventional wall maps which often show irrelevant or distracting information. Projecto-Maps are designed to show progressively single concepts as they are taught in the social studies curriculum.

A new technique of language instruction which involves film used with a student-operated projector has been developed by the Project in Educational Communication of Teachers College, Columbia Uni-

versity. The purpose of the language-teaching film is to build controlled structural language patterns into as useful and typical situations as the learner is likely to encounter in a foreign country. The learner is thus enabled to visualize typical gestures, facial expressions, and behavior as well as to learn common expressions of courtesy. The film is shown on an 8mm rear-screen loop projector, a compact portable unit which includes screen and loudspeaker. The projector is assembled to provide a continuous showing of the film, repeating the material as long as the learner desires.

Seventy-five programs from the CBS TV series, *The Twentieth Century*, are available on a free-loan basis to clubs, churches, industries and other community organizations. The films, which range in subject matter from life in the 1900's to the exploration of outer space are distributed by Association Films, Inc., 347 Madison Ave., New York 17. The series is sponsored by the Prudential Insurance Company of America, which also sponsors the film-lending program. A list of available films may be obtained or arrangements for a loan made through local Prudential agents or by notifying Association Films.



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... occasion requires - if
... there is a star that
... shines beyond compare
... in this two hours and 15
... minutes show...it is
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... sequences... are as
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... executed as anything
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... ated in years.

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AS REVIEWED
IN DAILY VARIETY
JULY 16, 1962

As the accepted standard
in the motion picture industry
THE ACME OPTICAL PRINTER
was used exclusively for the
special effects in the MGM
and Cinerama presentation
"The Wonderful World of The
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Photography at Work is a color film produced by Eastman Kodak to show a few of the many uses of photography in industrial plants and research laboratories. It was shown for the first time at the 10th annual meeting of the Industrial Conference in connection with a meeting of Professional Photographers of America, held during August in Chicago. Among the examples are fiberscopes bending light around corners, a camera taking a photograph of itself, the step-by-step manufacture of printed circuits, and flame patterns in a one-cylinder combustion engine being analyzed by high-speed photography.

Nineteen laboratories and plants were used as "stage sets" for the fascinating "real-life" dramas where the actors are flame, light and air pressure. One scene shows how missile re-entry problems are analyzed in a hypersonic shock tunnel; a sequence was filmed in Texas and shows techniques used in exploring for oil; another was made in the laboratories of a huge paper machines fiber flow, with all its oddities and atypical behavior. The film is narrated by Chet Huntley, NBC news commentator. It is one of the Eastman informational film series and can be borrowed from Audio-Visual Services, Eastman Kodak Co., Rochester 4, N.Y.

An on-air closed-circuit educational TV system, developed by Adler Electronics Inc., One Lefevre Lane, New Rochelle, N.Y., to demonstrate feasibility of the use of the 2000-mc band for educational TV, has been used to link eight schools in the Plainedge School District on Long Island. At the Plainedge demonstration, Stanley Lapin, Director of Adler's Industrial Products Division, explained the 2,000-mc system as starting "with a standard TV studio, providing picture and sound signals... Visual and aural carriers are generated in an exciter unit at standard vhf frequencies, and each carrier is modu-



We've got a pretty serious humidity condition in our dark room...

... Fact is, it used to play havoc with our bulk chemicals. They'd lump and cake — made mixing pretty difficult... then our Russell Man told us how the exclusive Tropi-Pak liner locked moisture out of L. B. Russell Photographic chemicals preventing caking or contamination.

The darkroom's still pretty damp... but with my slicker and Tropi-Pak protection for our chemicals we're turning out some real fine work. Tropi-Pak can help you, too. Write today for all the facts.



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quantities for greatest savings.
Russell's Tropi-Pak liners protect
chemicals during storage life.
Call or write for complete details today.*

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lated by the appropriate information from the studio equipment. This very low-power vhf TV signal is then raised in frequency up to the 2,000-mc band by . . . heterodyning . . . The net result is a standard TV signal placed near 2000 mc."

The fifth year of Audio Clinics, sponsored annually by Altec Lansing Corp., and held throughout the United States, was completed recently at the firm's general offices and main plant in Anaheim, Calif. Paul Veneklassen, Director of Western Electro-Acoustic Laboratories, Los Angeles, was principal speaker at the two-day session. A wide range of topics included "Room Acoustics and Sound Systems," "Exotic Sound Systems," "The Acoustician and Sound Contractor" and "New Horizons in Sound." The first of the clinics was in Dallas with principal speaker Dr. Charles P. Boner, Director of the Defense Research Laboratories at Texas University. Principal speaker in New York was David Klepper, Audio Consultant of Bolt, Beranek & Newman, Cambridge, Mass. From the same firm and principal speaker at Chicago was Ronald McKay, Acoustic Consultant. The clinics were under the direction of W. H. Johnson, Asst. Marketing Director for Altec Lansing Corp. and E. S. Seeley, Director of Central Engineering.

A large-screen, closed-circuit color TV network available in 51 cities has been announced by TNT-Theatre Network Television, Inc., 575 Madison Ave.,

New York 22. The network is based on the use of Norelco Projectors which project color TV pictures on a screen or surface covering 200 sq ft. The system, called TNT Colorvision is planned for closed-circuit broadcasts in color for business, industry, government and other groups.

The Norelco "Shutterless" Projector, Model FP 20-S, has been installed in the recently remodeled Victoria Theatre of Ossining, N.Y., the first such installation in the United States. The Victoria Theatre is owned by Skouras Theatres Corp. Announcement of the installation was made by Niels Tuxen, General Manager of the Motion Picture Equipment Division of North American Philips Co., Inc. The shutter produces light only while required by actual projection thus producing a flickerless image. Heart of the projector is the SPP 800 pulsed-discharge lamp, a quartz tube $3\frac{1}{4}$ in. long and $\frac{3}{8}$ in. in diameter at its thickest point. Discharge takes place inside a thin capillary tube, the luminous part of which has a length of about $\frac{1}{16}$ in. The lamp is operated by a pulsating direct current of 72 pulses/sec or 3 pulses/frame each with a duration of between 2 and 3 msec. Light is produced only during these current pulses; in the intervals the lamp is dark.

Logos Ltd. is a new company formed to produce scientific, cultural and dramatic color TV programs. Its studios are located at 1017 New Jersey Ave., S.E., Washington 3, D.C., and its director is Dr. Paul W.

Schafer, head of the Television Division of Walter Reed Army Medical Center until a year or so ago when the budget for the TV medical program was curtailed by the Army, necessitating elimination of the Walter Reed unit.

(Walter Reed was one of the pioneers in the use of TV for medical training. In 1957 one of the sessions of the Society's 81st Convention was held in Walter Reed Army Medical Center. The entire session was broadcast over closed-circuit TV, with scenes from various areas of the hospital being shown on the screen.)

In addition to closed-circuit TV for medical training, the Walter Reed unit produced and broadcast instructional programs for the public on medical and scientific subjects, many of the programs having a dramatic format.

In an interview, Dr. Schafer indicated that he plans to continue the type of programs inaugurated by the Walter Reed unit. Many of the key staff members of Logos were recruited by Dr. Schafer from this unit.

The Logos system, according to Dr. Schafer, has been developed by its own engineers in its Washington, D.C., Laboratories to mix live, tape and film signals through which picture and sound are electronically interlocked frame by frame. Describing the system as "exclusively engineered to produce the purest color on television. . . ."

Optec equipments are distributed in the United States, according to an announce-

Comprehensive Filmtreat restores the sparkling, scratch-free brilliance — the original punch — you saw when the print was brand new. Adds fresh vigor to wilted prints — and negatives . . . at a fraction of their replacement cost.

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Wear-Worn Prints!**

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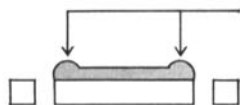
Is old film backing the villain in your magnetic sound recording?

SCOTCH® BRAND Magnetic Film uses only fresh stock . . . assures unsurpassed coating uniformity!

If you're buying magnetic film for price, you may be getting *reclaimed* film stock for backing. Maybe the stock you get isn't quite as old as the Nickelodeon thrillers. But much of it is sure to be dried out and shrunken with age, strained and weakened by an unknown number of passes through an unknown number of less-than-perfect projectors.

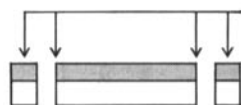
"SCOTCH" BRAND MAGNETIC FILM stock is *fresh cellulose triacetate* of photographic quality. It's dependably sturdy; has known conformability and life expectancy; assures a more constant film speed without flutter and wow.

Coating Reclaimed Stock



Coating "Beads"

Coating Before Perforating



No Coating "Beads"

Moreover, as the above diagram shows, magnetic coating "beads" at the edges. This beading cannot be cut away from reclaimed stock. It remains, to prevent the film from conforming perfectly to the head, thereby diminishing high frequency response. Fresh stock "SCOTCH" BRAND MAGNETIC FILM is coated with ultra precision by spotlessly clean equipment, and checked by the same type of professional equipment used in the field to insure consistency. Coating is applied onto wide triacetate rolls. Slitting and perforating

of the film *after* coating completely eliminates beading. You are assured of consistent uniformity across the entire coated surface, excellent head to film contact and optimum frequency response. And all "SCOTCH" films feature exclusive lifetime Silicone lubrication to protect sensitive recording heads and extend film life.

No. 316 . . . a Standard Oxide film. The pick of professionals the world over for 16mm. sound excellence. Its uniformity, dynamic range, freedom from distortion, provide top quality for original recordings and subsequent re-recordings.

No. 326 . . . a High Output Oxide film, offers the same quality recording advantages as No. 316, with greater output and increased signal-to-noise ratio.

No. 315 . . . a Standard Oxide film in 35 mm, the industry's standard for highest stereophonic multiple track and single track master recording. This film is also available with High Output Oxide as No. 325.

Also available: 17.5 mm. sizes. For a free illustrated brochure on "SCOTCH" Brand Magnetic Films write: Dept. MCU-62, 3M Company, St. Paul 1, Minnesota.



"SCOTCH" AND THE PLAID DESIGN ARE REGISTERED TRADEMARKS OF MINNESOTA MINING & MANUFACTURING CO., ST. PAUL 1, MINN. EXPORT: 99 PARK AVE., NEW YORK, CANADA: LONDON, ONTARIO. ©1962 3M CO.

Magnetic Products Division **3M** COMPANY

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Fully Automatic SHUTTER SYSTEMS



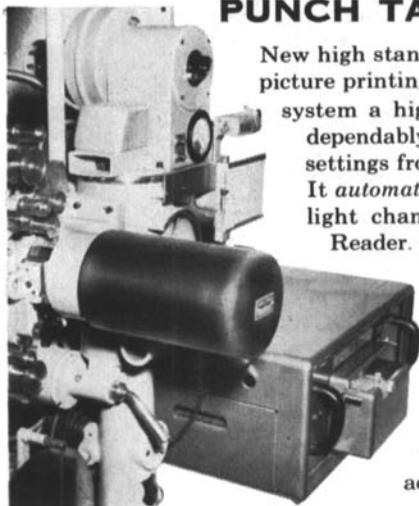
HURLETRON

PUNCH TAPE CONTROL

New high standards of quality in motion picture printing are now possible! Under this

system a high speed shutter moves accurately and dependably through the entire range of printer light settings from 0 to 22. at increased printer speeds! It automatically adjusts to short scene and extreme light changes controlled by the Hurtletron Tape Reader. Output per man hour is greatly increased and human errors due to fatigue are eliminated!

Program intelligence control tape produced on the Hurtletron Dial-Matic Perforator provides a permanent accurate control of all necessary printer, fader and shutter functions. The Hurtletron Tape Reader can also be adapted for use with any punch tape code.

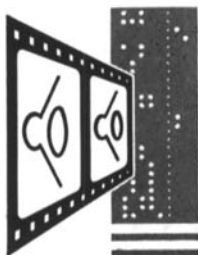
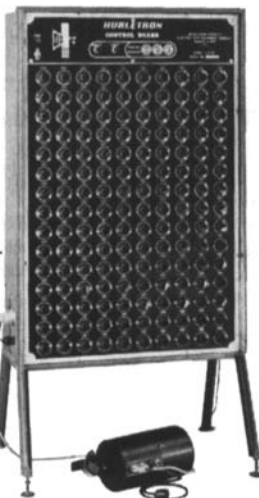


HURLETRON

PROGRAMMING BOARD CONTROL

The automatic Hurtletron Programming Board Control provides the same excellent performance as the tape system. Once preset to the original, it will produce the number of quality film prints necessary without resetting . . . ideal for loop printing! It is lower in initial cost.

Installation of all these Hurtletron units is simple and easy. A Hurtletron Field Service Engineer is available to assist in installing and training of operators as part of our complete service. Write today for complete details.



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ment from Arthur A. Goldstein, President of Potomac Photo Supply Inc., 1742 Pennsylvania Ave., N.W., Washington 6, D.C., whose firm is sole distributor for U.S.A. One regional distributor is D. A. Bruce & Co., 11 Broadway, New York City. Among Optec equipment manufactured in Great Britain are the Modelscope and Endoscope mentioned on pp. 354-355 in the 1961 Progress Report in the May, 1962, *Journal*.

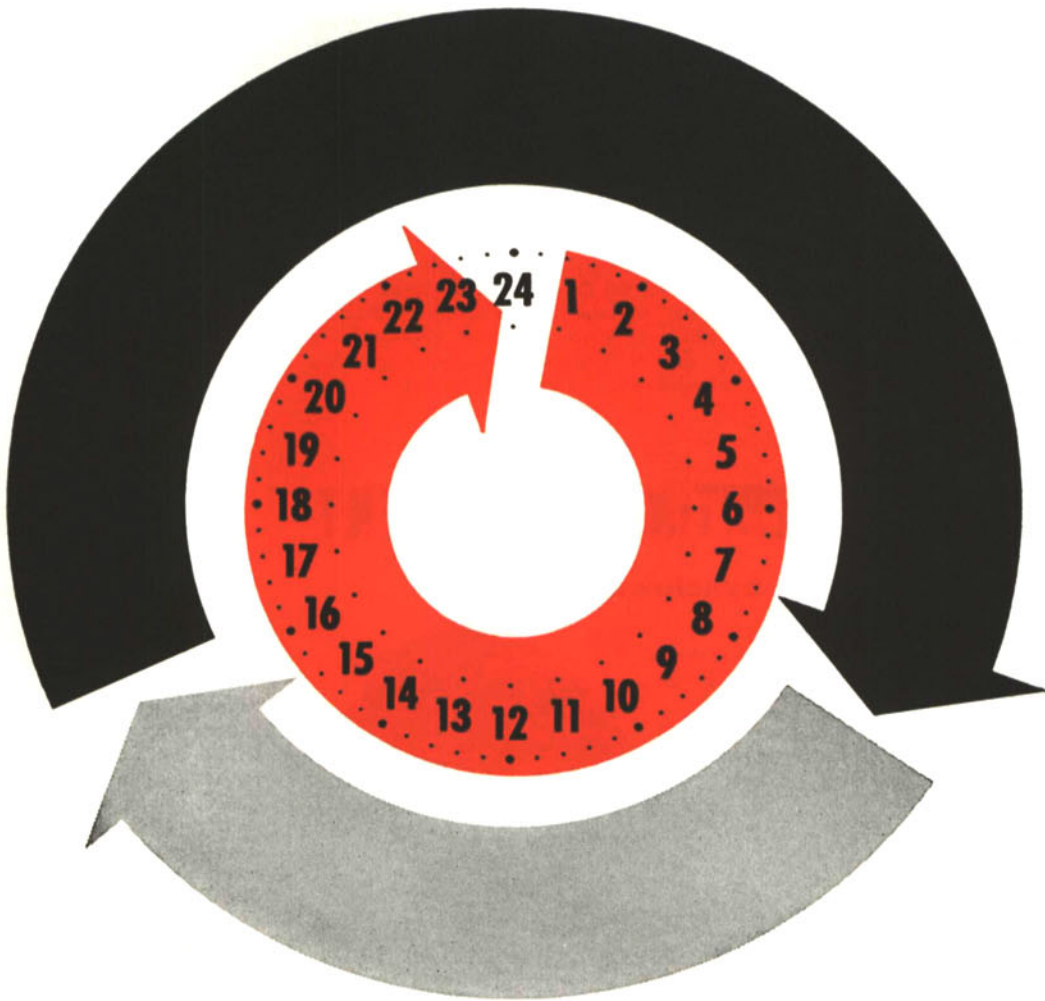
The Westrex Recording Department of Litton Systems has opened new headquarters at 1136 N. Las Palmas, Hollywood. Frank Pontius will be in charge of sales and service for the new facility and Ralph Lovell will direct sales. Ed Templin has been appointed Chief Engineer and other staff members include Jerry Verville, who will be responsible for customer service; Howard Reeves, who will act as commercial liaison engineer; and George Petrovay, who will supervise manufacturing activities. Westrex has long been a well-known name in the sound recording field, its technical achievements having been recognized by 12 awards from the Academy of Motion Picture Arts and Sciences.

A fail-safe device for sound systems invented by E. S. Seeley, Director of Central Engineering, Altec Lansing Corp., Anaheim, Calif., has recently been granted a patent. The system is called Secur. By operating power amplifiers in pairs through the Secur panel, the amplifiers are paralleled into a common load. Failure of one amplifier by any cause, even if a short circuit is placed across the output terminals, will not affect the load of the surviving amplifier. To make up for volume losses, the input level is increased automatically.

Installation of the Lipsner-Smith film cleaning machine as a new service for producers of nontheatrical films has been announced by Cinema Research Corp. of Hollywood. The machine, which cleans both 35mm and 16mm film, is said to handle the softest and most sensitive color negative without destroying color balance or damaging the stock.

Electronics For Education, Inc., is now located at 10582 Metropolitan Ave., Kensington, Md., according to a recent announcement. The firm formerly operated a research and development facility in Bethesda, Md., with headquarters in Auburn, Ala. The firm's executive offices and manufacturing facilities are now consolidated at the new location where it is engaged in the development of specialized products for the educational field.

Walter R. J. Brown has been appointed to the newly created position of Director of Exploratory Development for United-Carr Fastener Corp., Cambridge 42, Mass. He will head a staff of scientists and will direct studies principally in electronic areas. He was formerly with Itek Corp., Lexington, Mass., where he worked on research and development programs involving photographic optics. From 1949 until 1957 he was with Kodak



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1546 Argyle, Hollywood 28, California / HOLLYWOOD 2-6171 central division / 1828 Walnut St., Kansas City 8, Mo. / GRand 1-0044

Research Laboratories where he did research in various phases of human vision, including the sensitivity of the eye to small color differences. In 1957 he joined the Physical Research Laboratories of Boston University to direct a program in atmospheric optics at the Atlantic Missile Range for the U.S. Air Force.

John D. Hayes is the newly elected President of Herron Optical Co., 9117 South Main St., Los Angeles. The firm, a wholly owned subsidiary of Bausch & Lomb, Inc., Rochester, N.Y., is engaged in supplying optical components to missile and space firms located in the Pacific Southwest.

Two new appointments have been announced by Camera Mart, 1845 Broadway, New York. James Sachse has been chosen to head the Projection Sales and Service Dept. and Irving Joslowitz will head the firm's Moviola Service and Repair Dept. Both men were formerly with Camera Equipment Co.

Milton J. Salzburg, President of Productions Unlimited, Inc., attended the Pula (Yugoslavia) Film Festival at the invitation of the Yugoslavian Government. Productions Unlimited represents Globus Films of Zegreb, Yugoslavia, in the distribution of educational and scientific films.



books reviewed

Motion Picture Presentation Manual

Published (1962) by The British Kinematograph Society, 164 Shaftesbury Ave., London W.C.2. 130 pp. + Index. 9 by 10 in. Looseleaf. Price 12s 6d (plus postage 2s 3d).

Prompted by many complaints of bad presentation of motion-picture films, the British Kinematograph Society formed an All-Industry Committee for the Improvement of Screen Presentation, consisting of representatives from all of the top organizations engaged in the production or distribution of motion pictures. After working for more than a year a report was produced, calling attention to the reasons for faulty screen presentation in every stage from studio to theater. In addition, the committee compiled this manual and is distributing it free to every theater within the United Kingdom.

The manual is published in a loose-leaf binder to facilitate the adding of new material and the replacing of data sheets with later editions.

The information presented in the 65 Data Sheets is very well edited and is presented in a concise, to the point manner, enabling the reader to find an answer to many of the problems in every-day theater operation. Dealing with every subject, from the engine room to the projection booth, the manual not only does an excellent job as a training guide but also provides a great deal of general information on different types of equipment found in theaters, as well as explaining the various techniques used in today's motion-picture production.

The more serious theater operator would be well advised if he provided his projection department with a copy of this manual, after reading it himself.—A.E.A.

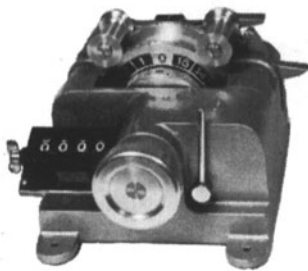
Engineering and Scientific High-Speed Photography

By William G. Hyzer. Published (1962) by The Macmillan Co., 60 Fifth Ave., New York 11. viii + 536 pp. 5½ by 8¼ in. Illus., index. Price \$15.00.

The author has organized, under one cover, in concise and easily accessible form, a considerable amount of the existing information on applied high-speed photographic techniques which has appeared in thousands of reports published in hundreds of formats. The information has been digested, analyzed and presented in the author's own style. The charts, graphs, formulas and tables with which the author presents data make it possible for the

PRECISION® FILM EDITING EQUIPMENT

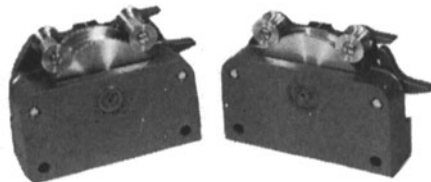
Precision Unitized Film Synchronizer



Model S635-1
Single Sprocket 35mm
Synchronizer \$95.00
Single Sprocket 16mm
Synchronizer \$95.00
(not shown)

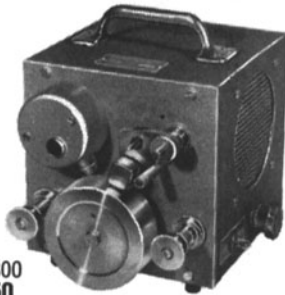


Model S616-3
Three sprocket
16mm Synchronizer with
Spacer and Magnetic head.
\$215.75

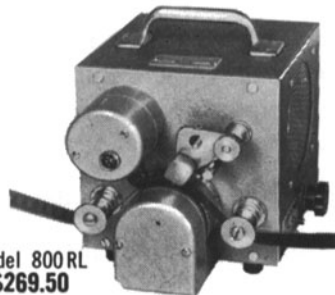


Sprocket Assemblies
16 or 35mm \$32.50 ea.

optical-magnetic sound readers

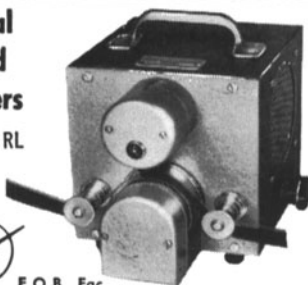


Model 800
\$259.50



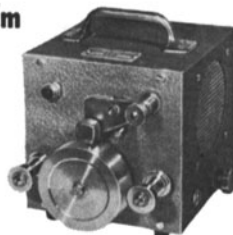
Model 800 RL
\$269.50

optical sound readers



Model 600 RL
\$195.00

magnetic film and tape sound reader



Model 700
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