

film readers and evaluation systems; portable motion-picture hot splicers.

Personnel: Arthur H. Bolt, Robert King, Albert M. Uremovich, R. D. Freeborg, Carlos H. Elmer.

Westrex Co. Booth 121
335 N. Maple Drive, Beverly Hills, Calif.

Exhibiting: WESTREX 1200 Series Portable Magnetic Recording System; WESTREX RA-1621 Multiple Unit Magnetic Re-Recorder; WESTREX 3-C StereoDisk Recorder System; WESTREX Audio-Visual Unit, used in manufacturing to increase the efficiency of assembly operations.

Personnel: Ted L. Jacobsen, Frank E. Pontius, Ralph E. Lovell, Herbert A. Thurman.

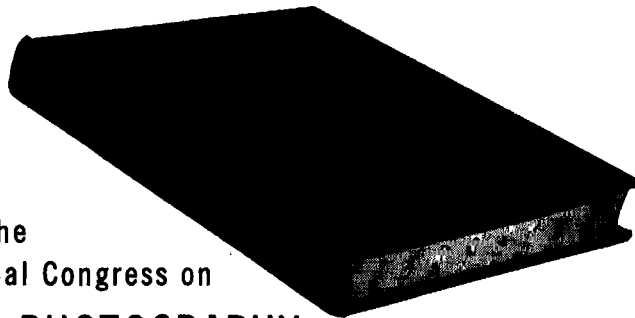
Wollensak Div., Revere Camera Co. Booth 113
850 Hudson Ave., Rochester 21, N.Y.

Exhibiting: Featuring new WF30 Fastax High-Speed Camera; 30 models Fastax-Fastair High-Speed Motion-Picture Cameras and accessories; reversal-negative 16mm portable film processor; Mirrotel lenses and boresights; Pro-Raptar lenses, 35mm and 70mm formats.

Personnel: Fred M. Emens, Charles Wade, Sr., Tom Bowman.

Education, Industry News

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Washington, D. C., 1960 / Chairman: Max Beard

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Society of Motion Picture and Television Engineers

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LO 5-0172

Film Effects of Hollywood has just completed the design and construction of the first "Type I" 70mm optical and contact registration special effects printer ever built, to be used on the first Cinerama theatrical motion-picture production. According to Linwood Dunn, President of Film Effects of Hollywood, this unique new printer was built on a crash program that saw completion and operation within five weeks time.

The operation, under the direction of Cecil Love and Don Weed, encompasses all printing and composite photographic effects for the intergalactic space travel film *Journey to the Stars* now being produced by Fine Arts Productions, of Hollywood. The 2¼-in. square camera aperture format produces 5.2 ten-sprocket frames per foot, and the film will be projected at the rate of 4.6 ft/sec onto the world's largest screen, a 360° x 160° dome 95 ft in diameter, now being installed in the Seattle World's Fair Spacearium.

Industrial products manufactured by Fairchild Camera & Instrument Co. will be distributed in the Western United States by Gordon Enterprises, 5362 N. Cahuenga Blvd., N. Hollywood. Products include high-speed cameras, Mini-Rapid processors, flight data analyzers, Oscillo-record cameras and Fairchild-Polaroid identification cameras.

Construction of a new plant near its Richmond, Va., headquarters has been announced by Flight Research Corp., a subsidiary of Giannini Scientific Corp. of New York. The one-story building, which is expected to be ready for occupancy sometime in 1962, will contain 14,500 sq ft of floor space. It is designed to house the general offices of the company and facilities for its Eastern Division's engineering and manufacturing operations. Plans include research and engineering laboratories, a precision machine shop, and specialized facilities for assembling and testing photographic and electronic instruments.

The magnetic striping services of Frederick F. Watson, Inc., were recently acquired by Cine Magnetics, Inc., 202 E. 44 St., New York 17. The firm specializes in 8mm and 16mm magnetic sound striping and also offers sound recording, editing and distribution services.



IF YOU WORK IN COLOR...



Installation of Norelco Universal 70/-35mm in Grauman's Chinese Theatre, Hollywood, has been announced by Niels Tuxen, General Manager, Motion Picture Equipment Division, North American Philips Co., New York. The projectors were first used in the showing of *West Side Story*, filmed in 70mm. About 130 theaters throughout the United States, including a number of drive in theaters, are now equipped with these projectors.

The John M. Wall Co., manufacturers of the Wall camera and also noted for construction of the equipment for Cinerama, has been acquired by National Cine Equipment, Inc., 209 W. 48 St., New York. President John Clemens has announced

plans to continue manufacture of the type of products manufactured by the newly acquired firm, such as professional sound cameras and 16mm TV recording cameras.

Signal Recording on Moving Magnetic Media is the title of a conference to be held in Budapest, Hungary, October 15-18, 1962, under the auspices of the Hungarian Society for Optics, Acoustics and Cine-technics, Szabadsag ter 17, Budapest V. Papers are invited on the theory of magnetic recording and its possible applications in sound recording, video recording, automation, electronic computers, and measurement techniques. There will be an equipment exhibit accompanying the conference.

Some thirty papers have already been promised, including several from the United States. Anyone intending to submit a paper or show equipment should communicate with the Hungarian Society at the above address.

An Animation Seminar and Workshop, announced by Photo Animation, Inc., 34 S. West St., Mt. Vernon, N.Y., will be held April 9-11, at Grossinger's Country Club, Liberty, Sullivan County, N.Y. Attendance will be limited to about 100 persons. All phases of animation will be discussed. During the two-day event, animation films will be shown for discussion and analysis. Those attending are invited to bring their films for study and discussion.

The new **Technical Center of Theatre Network Television, Inc.**, 575 Madison Ave., is located at Woodside, L.I., N.Y. Established for research and development of closed-circuit television, three divisions, the Engineering Division, the Eidophor Division, and the Technical Production Division, are housed in a plant covering 7500 sq ft. Top officials of the Technical Center are Eugene D. Warren, Director of Engineering; John L. Leay, Chief Engineer; and Robert F. White, Director of Program Production.

The Engineering Division contains an electronics shop and laboratory facilities. The Eidophor Division will specialize in electronic displays, making engineering applications of the Swiss-made (CIBA) Eidophor projector for military, industrial and educational uses in training simulators, computer displays, broadcasting special effects, operational commands, classroom instruction and similar purposes.

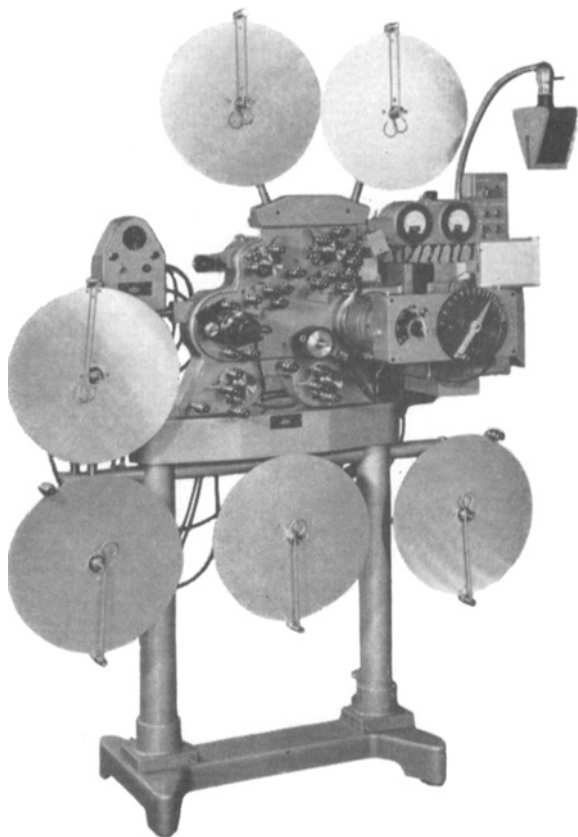
The Technical Production Division maintains a truck equipped with color television, four color and monochrome television cameras, and other studio equipment for TV production.

The **Industry Film Producers Association** will hold its 1962 National Conference, Film Festival and Awards Banquet June 14-16 at the University of California, Los Angeles. Subjects to be covered in technical papers and discussions include animation, sound recording, slide films, cinematography, script and storyboard techniques, direction, closed-circuit TV and video-tape recording. Following the Conference, the Annual Awards Banquet will be held in the Beverly Hilton Hotel. The second annual Jay Gordon Award will be announced and "Cindy" merit awards for the best industry-produced films of 1961 will be presented.

Two new sound films, *Short Term Visual Memory* and *Domains and Hysteresis in Ferromagnetic Materials* have been added to the Bell Telephone Laboratories College Science Film Series. The film on visual memory (16mm, sound, black-and-white, 18 min) is the story of an experiment in visual perception recently conducted in the Bell Visual and Acoustics Research Department which demonstrated that within the seeing mechanism of the human eye and brain there is a temporary information



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If you are an engineer with a normal complement of just two eyes, you can solve these problems by the process of elimination, which often takes weeks and months, at a staggering cost in man hours.

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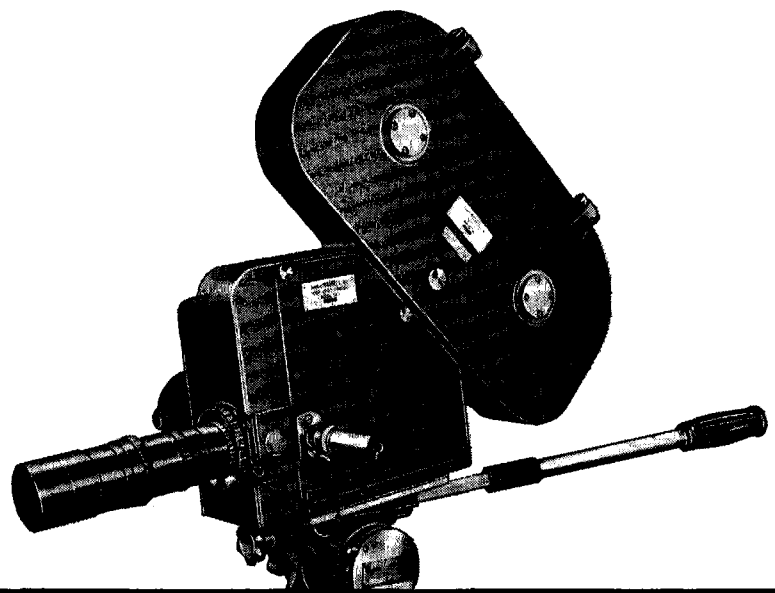
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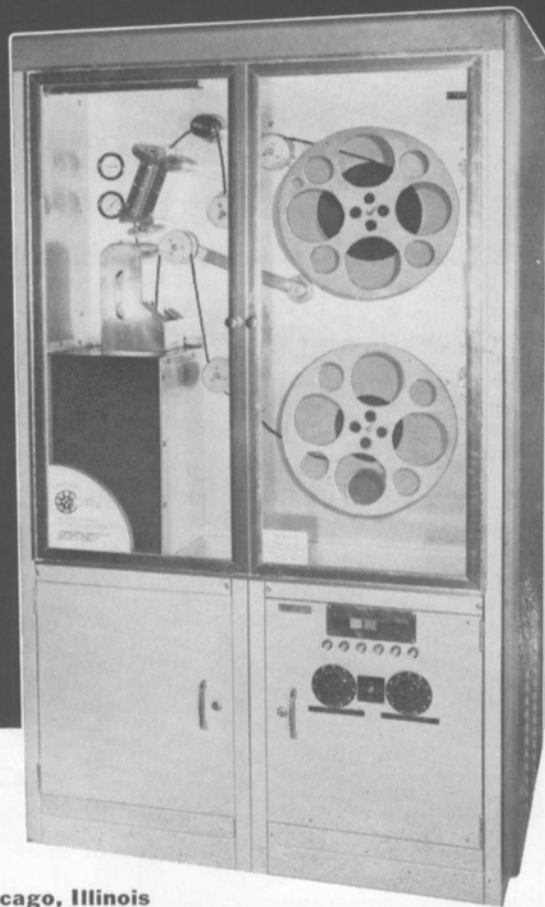
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cleans films to the highest laboratory standards . . . automatically.

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The CF₂ Ultrasonic Film Cleaner represents a major breakthrough for the film industry. By utilizing ultrasonic energy, motion picture film and magnetic tape are thoroughly and rapidly cleaned without mechanical scrubbing and wiping.

The cold boiling effect (cavitation) of ultrasonics performs the entire cleaning operation . . . film and tape are touched only by solvent, eliminating the possibility of scratching, abrading or tearing. Forced air, flash dry-off, removes the solvent leaving absolutely no residue. Film and tape emerge clean and static free with color balance undisturbed.

The CF₂ Ultrasonic Film and Tape cleaning process is completely automatic, requiring the operator only to load and unload. Descriptive brochure will be sent on request.



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storage which is used in the handling of visual information. The second film (16mm, sound, color, 36 min) discusses the theory of ferromagnetic domains and its relationship to hysteresis in magnetic materials. Motion pictures of moving domain walls are shown. Films in this series are lent by Bell Telephone Company without charge.

Charles C. Kruse, communications media officer with the U.S. Agency for International Development (AID), has been transferred from Ethiopia to Indonesia where he will supervise production of educational motion pictures, according to an announcement by the State Department. In Ethiopia he supervised the Imperial Ethiopian Communications Media Center which supplies printing, photographic art and audio-visual service to the government. Prior to his appointment to AID he produced industrial, educational and TV films under the name of C. Christian Kruse Films.

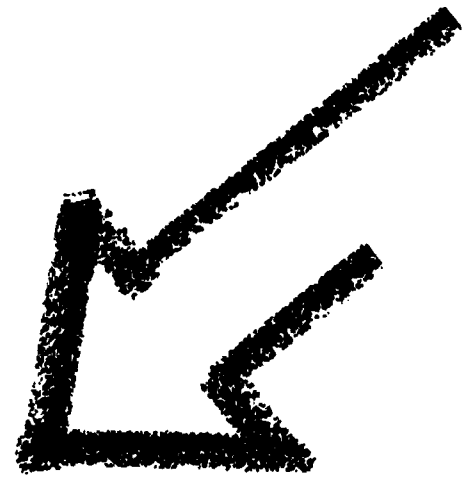
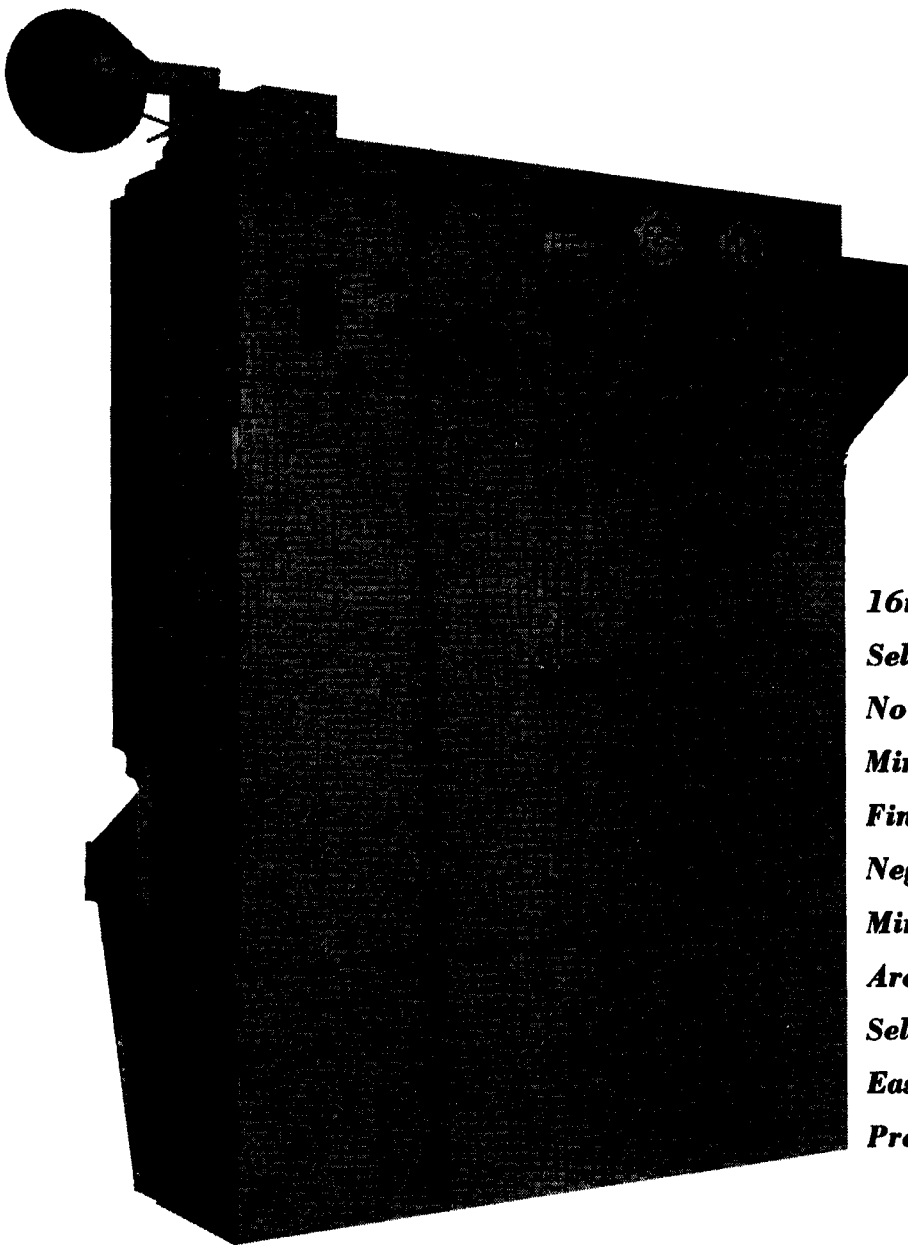
Motion-picture studios may be rented from City Film Center, Inc., 66-40 69th St., Middle Village 79, N.Y. Also available if desired are services ranging from minor assistance to full production service. Facilities include silent or sound stage, conference lounge and control room. Optional services include set design and construction, stylist and make-up and secretarial service. Rentals may be arranged by the hour, day, week, month, or longer.

Motion-picture studios, located in Brooklyn, N. Y., which were formerly owned by Technicolor Corp., have been acquired by Biograph Studios. Plans for extensive renovation and remodeling have been announced by Biograph President, Benjamin Gertner. The studios will reopen under the name of Mayflower Studios. Facilities will be maintained for all types of motion-picture and television productions.

The Gevaert Company of America, Inc., has opened a new branch office at 1485 Bayshore Blvd., San Francisco 24.

Burr Electronics is the new name of the firm formerly known as Burroughs Electronics. No other change has been made. Offices and laboratories are located on River Road, Cos Cob, Conn. Gordon S. Burroughs, President, said that the name had been changed to prevent possible confusion with other organizations of similar name. The firm was organized in 1961 (*Journal*, Sept. 1961, p. 758) to conduct research and development programs in the fields of communications, reconnaissance, video displays, infrared and associated technical areas.

Sam Fox Film Rights, 11 W. 60 St., New York 23, has acquired representation of Harmonic Music Background Library, one of the largest libraries in Great Britain and Europe, according to a recent announcement. Earlier, the firm acquired the KPM Mood Library, a library of background music released by companies owned and controlled by Associated Rediffusion.



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Announcement of expanded activities in the institutional and municipal fields has been made by Rosner Television Systems, Inc., 545 Fifth Ave., New York. The firm specializes in video switching systems, closed-circuit, mobile and control facilities. The firm offers consultant services as well as engaging in design and installation. Recently the firm assisted CBS (Los Angeles) KNXT on the installation of special alarm-type safety equipment for the input to the station's transmitter located several miles from the studio.

The S.O.S. Bookshelf is a 15-page catalog listing more than 100 books on motion-picture and television subjects available from S.O.S. Cinema Supply Corp., 602 W. 52 St., New York 19, N.Y. General

subject areas include Reference and Data; Motion-Picture Production; Sound Recording and Reproduction; Theater Screening Rooms and Projection Methods; Television Production Techniques; and Electronics, Theory and Practice. The catalog is available from the company upon request.

Ralph E. Lovell has been appointed Sales Engineer for Professional Recording Equipment and Herbert A. Thurman has been appointed Sales Engineer for Audio Visual Products, according to a recent announcement from Westrex Recording Equipment Division Litton Systems, Beverly Hills, Calif. Mr. Lovell was previously with National Broadcasting Company, Holly-

wood, where he was Supervisor of Kinescope and Video-Tape Recording. Mr. Lovell, a long-time and active member of the Society, is presently serving on the Board of Governors, the Board of Editors, and as Chairman of the Hollywood Section. His extensive publications include papers published in the *Journal*.

Prior to his present appointment Mr. Thurman had been proprietor of Executive Film Productions and Sales Vice-President for Partheonon Pictures.

The firm of Technical Cinematographic Requirements Ltd. has been acquired by Evershed and Vignoles Ltd., Acton Lane W.4, Chiswick, England, manufacturers of Megger electrical testing equipment, and reorganized as Evershed Power-Optics Ltd., 35 Soho Square, London, according to a recent announcement. The new firm will handle the sales of Eclair Cameras, Perfectone Recorders, as well as Angenieux Professional Zoom Lenses and Evershed servocontrolled TV lens and camera equipments.

Ralph W. Wight has been elected to the Board of Directors and Kent A. Hammond has been appointed to the post of Controller, according to a recent announcement from Magnasync Corp., 5546 Satsuma Ave., North Hollywood. Mr. Wight is Vice-President of Litton Industries and General Manager of the Westrex Division. Mr. Hammond was previously Controller for Kennison Manufacturing Corp.

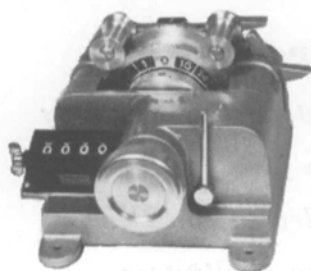
Edwin A. Dickinson has been appointed West Coast Sales Engineer and Donald C. Havens, Jr., has been appointed East Coast Sales Engineer for Logitron Corp. Prior to this appointment Mr. Dickinson had been with the Westrex Corp. Division of Litton Systems for about 30 years. Among his responsibilities he was in charge of recording systems sales to companies in 34 foreign countries. During World War I he served as Navy radio operator and during World War II he was consultant to the Naval Photographic Center in Washington, D.C. Mr. Havens had been with the Westrex Division of Litton Systems for more than seven years before his present appointment. He was East Coast Sales Engineer of the Recording Equipment Division.

Frank Lewin, well-known composer and motion-picture sound editor, has won new acclaim for his score of Georg Büchner's *Leonce and Lena*. This play is a romantic fantasy and many critics consider it the playwright's masterpiece, but it is rarely performed because of its unusual musical requirements. Presented in November at Harpur College Theater, Binghamton, N.Y., Mr. Lewin's score was described by musical critics as "completely successful."

Mr. Lewin is the author of "Soundtrack in Nontheatrical Motion Pictures" which was published in 1959 in three parts in the June, July and August issues of the *Journal*. This three-part paper has frequently been an outstanding contribution to this field. Mr. Lewin's screen credits as sound editor include such successful motion pictures as

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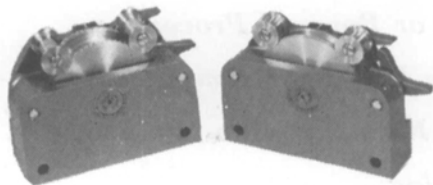


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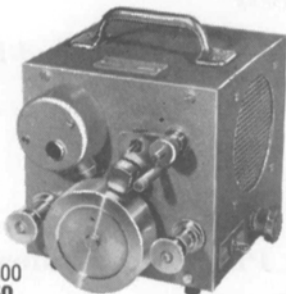


Model S616-3
Three sprocket
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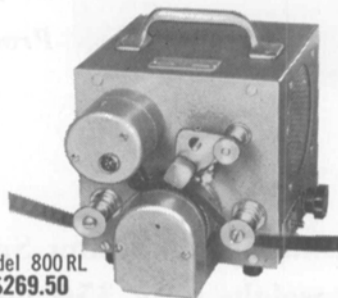


Sprocket Assemblies
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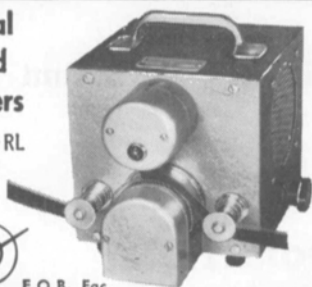


Model 800
\$259.50



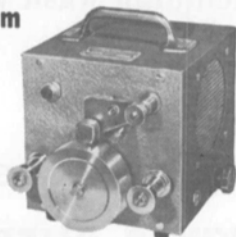
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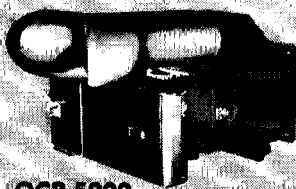
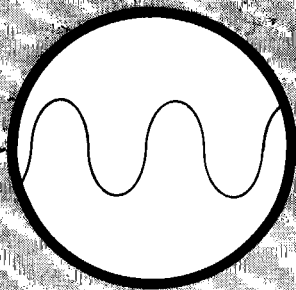
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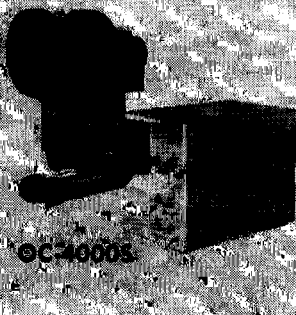
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OC-1355



OC-4000-S

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Provides more data in less time and with more accuracy than any other comparable unit available! Electrically operated remote control shutter opens fully in only 8 milliseconds. The shutter incorporates an integral iris diaphragm adjustable to f/22. External rack and pinion focusing for clear 1:1 object-to-image ratio and coated f/1.9 lens offers distortionless recording of the scope graticule and trace pattern. No parallax, illuminated data chamber and finished Polaroid® prints in 10 seconds are additional performance features. Available with conventional film back and other modifications to your specs.

SLOW SPEED STRIP FILM RECORDER: Model OC-8000

35mm Non-Banding camera developed expressly for radio-telescope and ionospheric studies. No special photo skills are required. f/1.5 lens provides flat field recording with iris adjustment to f/22. Mounts directly onto scope; self supporting. Synchronous motor assures constant film advance at all speeds; transmission allows quick and positive speed changes. Film magazine capacity is up to 400 feet and the camera records on either axis. Film travel speeds are variable from 3/32" to 18" per minute.

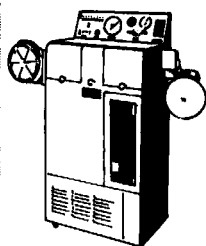
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Available in three models: **Model OC-1355**, **Model OC-1705** and **Model OC-4000-S**. Film sizes range from 35mm to 70mm with capacities to 1,000 feet. Outstanding features include "start" and "stop" provision, full recording speed attained in **one second**, built-in bore sight, and high definition f/1.5 and f/1.9 lenses which assure critical image sharpness. Designed for recording of high speed transient peaks, the film transport mechanism produces continuous strip progressions. Film travel speeds to 1,000 inches per second provided via continuously adjustable variac control.

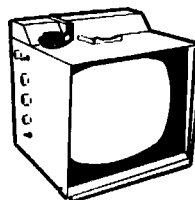
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Offers a complete series of stainless steel continuous processors suitable for maximum security processing of instrumentation films. Units are available for handling 16mm through 70mm at maximum velocities with optimum performance reliability.



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Fugitive Kind, Splendor in the Grass, and The Power and the Glory.

George K. Czarnikow has been appointed Director of Engineering of LogEtronic, Alexandria, Va. He will be responsible for mechanical engineering activities and will work closely with the research and development staff headed by Dwin R. Craig, Vice-President and Technical Director. His initial assignments include design improvements in the Lithoflo automatic sheet film processor, a recent acquisition of the firm, and continuing development of new photooptical devices in line with the company's expansion program.

Ray Emeritz has been appointed head of the Maintenance Department of Florman & Babb, Inc., 68 W. 45 St., New York 36. Prior to this appointment he was with Camera Equipment Co. in the Maintenance Department. During World War II he was in charge of camera maintenance at U.S. Army Pictorial Centers in England and in France.

A. D. Deutschman has been appointed Chief of Design and Development for Prestoseal Manufacturing Corp. of Long Island City, N.Y. Mr. Deutschman has a considerable background in design engineering.

Donald H. Kelly has been appointed Senior Optical Physicist in the Graphic Information Research Division of Itek Laboratories, Lexington 73, Mass. Formerly a member of the Senior Research Staff at Technicolor Corp., Dr. Kelly directed development of a color-separating mirror which made possible color motion-picture photography at low light levels previously suitable for black-and-white photography. He has also directed research work in the areas of photographic image enhancement and spatial filtering.

B. G. Tubbs has been appointed Vice President and Operations Manager of Mitchell Camera Corp., Glendale, Calif., manufacturers of professional and military motion-picture cameras and equipment. Mr. Tubbs will also be responsible for the operations of the Mitchell Astromics Div., also of Glendale, designers, engineers and manufacturers of precision devices and instruments for commercial and military airborne and ground support applications. Prior to his present appointment he was President of the Vard Division of Royal Industries, Inc., Pasadena, Calif.

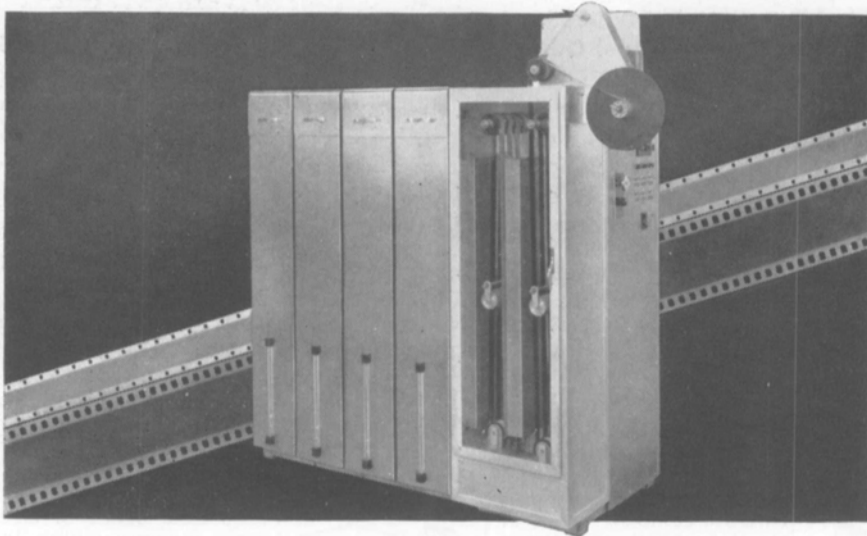
Robert L. Rodgers has been appointed Manager of Applications Engineering of the Photo Instruments Div., Benson-Lehner Corp., Santa Monica, Calif. In his new post he is responsible for marketing the firm's recently expanded line of photo-instrumentation equipment, including the Benson-Lehner 16mm and 35mm cameras. Prior to his present appointment he was associated with D. B. Milliken Co., Arcadia, Calif.

Harry Lauder has been appointed General Manager of Ralke Company Audio-Visual Center, 849 N. Highland Ave., Los Angeles. The firm, which installed Circarama at the Brussels World's Fair, has introduced to the audio-visual field such innovations as a 35mm film strip continuous loop, a 16mm sound repeater, and a master control system for operating all types of audio-visual equipment, which has been installed at Stanford University. The firm has also installed and maintained all audio-visual effects at Disneyland.

James H. Kogen, Chief Engineer of GPE Controls, Inc., Chicago, is President-elect of the National Electronics Conference, Inc., 228 No. La Salle St., Chicago 1. The 18th annual meeting is scheduled for October 8-10, 1962, in Chicago. Other officers-elect for the 1962 NEC are: Vice-President, John S. Powers, Kenneth W. Meyers Co.; Secretary, E. W. Ernst, University of Illinois; Treasurer, J. S. Aagaard, Northwestern University; Assistant Treasurer, C. F. Valach, Amphenol Borg Electronics Corp.

Wallace C. Robbins has been appointed Head of Industrial Sales for Florman & Babb, Inc., 68 W. 45 St., New York 36. In this post he will specialize in servicing professional motion-picture equipment requirements of industrial in-plant studios. His appointment was announced as part of the firm's expansion program. Prior to his present appointment, Mr. Robbins was associated with Camera Equipment Co.

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