

Moscow, Leningrad, Kiev, Odessa and Alma-Ata. Much of the equipment, the delegation reported, was quite similar to corresponding items in the United States and elsewhere. A few units showed interesting independent design features.

As previously noted, samples were obtained of processed color negative, color negative raw stock (masked) and color print raw stock now in use in the U.S.S.R. At the special session, the delegates have planned to report on results of tests designed to indicate the characteristics of stocks found in use and to show the technical problems to be anticipated in printing directly or through dupes from negative films processed in the Soviet Union.

Equipment Exhibit

Exhibit Chairman **George Kendall** reported that 64 of the 81 available booths had been assigned by January 24. Orders are coming in for the remaining space and it is evident that every aspect of the Society's interests will be illustrated in the largest assembly of such equipment ever seen. Most of the industry's leading manufacturers will be represented, and in some areas, such as photographic instrumentation, laboratory processing, and television broadcasting, there will be important new equipment introduced which will draw interest from far and wide. At the Wednesday morning Equipment Papers and Demonstrations Session demonstrations of new products have been scheduled by Arriflex Corp. of America, Atlas Projector Corp., ColorTran Industries, DuKane Corp., Eclair Corp. of America, Oxberry Corp., Gamma Scientific, L-W Photo Products, Research Products, W. A. Palmer Films, XeTron Div. of Carbons, Inc., and Zoomar.

Boothholders assigned to date are:

Amega Corp.	Birns & Sawyer Cine
Ampex Corp.	Equipment, Inc.
Arriflex Corp. of America	Cinerama Camera Corp.
Atlas Projector Corp.	ColorTran Industries, Inc.
Bach Auricon, Inc.	Andre Debrie of America
Bell & Howell Co.	DuKane Corp.

Eclair Corp. of America	Neumade Products, Inc.
Frigidheat Industries, Inc.	Newman & Guardia Ltd.
Gamma Scientific, Inc.	Oxberry Corp.
Gordon Enterprises	W. A. Palmer Films, Inc.
Gryphon Co.	Photo Research Corp.
Frank Herrfeld Engineering Corp.	Photo-Sonics, Inc.
Hi-Speed Equipment, Inc.	Plastic Reel Corp. of America
Hollywood Film Co.	Precision Laboratories Div.
Houston Fearless Corp.	Prestoscal Mfg. Corp.
Kollmorgen Corp.	Producers Service Co.
L-W Photo Products, Inc.	Quick-Set, Inc.
Macbeth Instrument Corp.	Red Lake Laboratories, Inc.
Magnasync Corp.	Research Products, Inc.
Magnetic Sales Corp.	S.O.S. Photo-Cine-Optics, Inc.
Metro-Kalvar, Inc.	Spindler & Sauppe, Inc.
D. B. Milliken Co.	Stancil-Hoffman Corp.
3M Company	Sylvania Electric Products, Inc.
Mole-Richardson Co.	Traid Corp.
Motion Picture Printing Equipment Co.	Treise Engineering Co.
Moviola Mfg. Co.	XeTron Div., Carbons, Inc.
	Zoomar, Inc.

Hotel Rates and Reservations

Rates for those attending the Conference are shown below. If you write before receiving the reservation card which is part of the Postal Announcement, address *The Reservation Department*, Ambassador Hotel, 3400 Wilshire Blvd., Los Angeles 5 — and cite the SMPTE Conference.

Single Room and Bath — per day	\$13.00	\$15.00	\$17.00		
Double Room (Twin Beds) and Bath — per day	\$16.00	\$18.00	\$20.00		
Parlor, Bedroom and Bath, for One or Two Persons— per day	\$40.00	\$44.00	\$48.00	\$54.00	\$58.00

LUXURIOUS GARDEN BUNGALOWS

Room and Bath for One or Two — per day	\$28.00	\$30.00	\$32.00	\$34.00
--	---------	---------	---------	---------

Education, Industry News

Henry Lester, Editor of Abstracts of Photographic Science and Engineering Literature (APSE) since it began publication in 1962 (*Journal*, p. 888, Jan., 1962), has resigned for reasons of health. News of his resignation from APSE and consequent organizational changes have come in an announcement from T. H. James for the Committee on APSE and a joint announcement from Columbia University and the Society of Photographic Scientists and Engineers, expressing deep regret for Mr. Lester's resignation. The Columbia University/SPSE announcement stated, in part, "Mr. Lester's... vision, enthusiasm and energy were essential to this venture and its literary success is a fitting tribute to his all-out effort."

APSE publication has been disassociated from Columbia University; editorial and publication management has been transferred to the Engineering Index, with APSE as a publication of the Society of Photographic Scientists and Engineers. Miss Leonore H. Hess will continue as Managing Editor of APSE; abstracts and correspondence should be addressed to her at Engineering Index, Inc., 345 East 47 St., New York, N. Y. 10017

The Engineering Index, published by Engineering Index, Inc., is coordinated

with the Engineering Societies Library; both are located at 345 E. 47 St., New York, N.Y. 10017. Last year the Engineering Index contained some 38,000 annotated references to bulletins, reports and magazine articles, based upon the more than 3,400 periodicals and other serial publications in 20 languages currently received from 50 countries throughout the world by the Engineering Societies Library. The Engineering Index is available in three forms: a daily and weekly card service; a monthly bulletin; and an annual bound volume, which has been published regularly each year since 1884. The bound volumes are distributed annually in June. The Index is priced at \$250.00 a year, or \$150.00 to academic nonprofit institutions.

A course in Television: Current Techniques and Film Practices co-sponsored by the University of Southern California and the Society is offered for the Spring semester. Evening classes will be held each week beginning February 10 and continuing through May 25. Lecturers for the course and their subjects are:

Harry Lubcke, Edward Benham — Evolution of Television Systems and Equipment
Oscar Wick — Elements of the Picture (the electrical signal and reproduction, sharpness, brightness, resolution, gray scale, nomenclature)

Edward Ancona — Elements of Color (the eye and visual aspects, simulation of color, color TV principles)

John Frayne — Elements of Sound (recording and reproduction, mikes and microphone placement, distortions, comparisons of theatrical film and film for TV)

Ralph Woolsey — Elements of Lighting (technical and artistic considerations, comparison of live, film, and film for TV, trends)

Robert Springer — Recording Processes: VTR (tapes, tape systems and machines, NAB standards, uses in production)

Elliot Bliss — Recording Processes: VTR and Laboratory Practices (kinescopes and transfers, tape to film, film to tape, compatible standards)

T. Gentry Veal — Television Film Production Techniques (35 mm vs 16mm, color problems)

Milton Altman — Editing (Technical Director and Editor, scene to scene and sequence by sequence editing, optical and special effects)

Kenneth Erhardt — Film Projection Problems and Practices (cue systems, wide screen films over TV, film and tape handling)

Edward Benham — TV Control and Technical Operations (manual and automated systems)

Rudy Bretz — Closed-Circuit TV (industrial, classroom, theater, slow scan)

Automated Printing has Arrived!

...light changes, zero close, and fades made at 180 feet per minute!

THE NEW BELL & HOWELL "MB" PRINTER operates automatically after one push of a button. Pre-programmed tape accurately controls exposure for high speed black and white, or color printing (where scene to scene color corrections are not required*).

This single channel printer produces print after print of top release quality economically and safely from original negatives. Light intensity changes, fades and zero close are programmed to occur automatically.

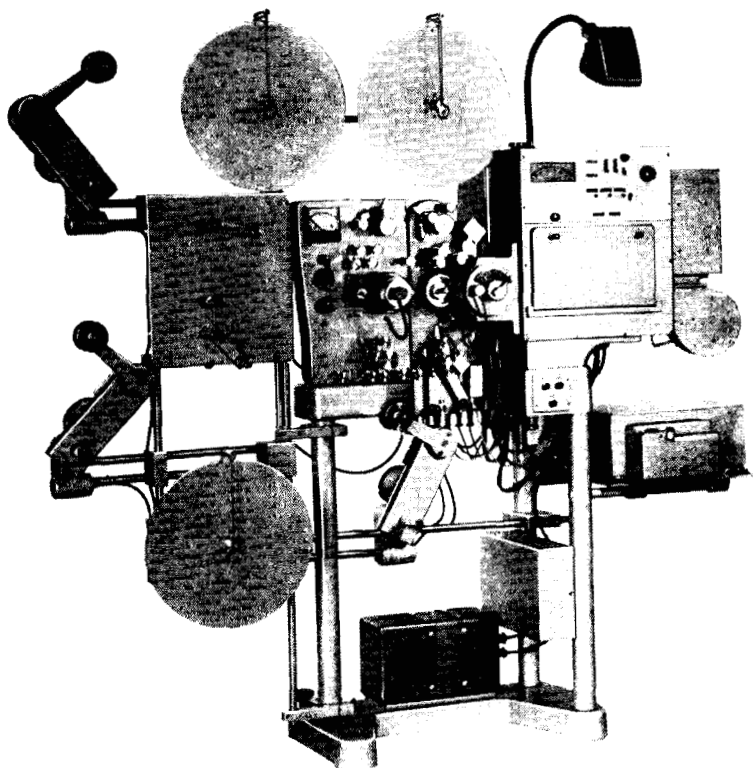
The entire film transport mechanism maintains frictionless film handling from feed reel to torque tight-wind take-up. Internal threading light, controlled key number printing at the aperture, internally illuminated controls, and new tension rollers below the aperture all contribute to increase efficiency in your printing operation.

OTHER "MB" FEATURES

Twenty-four additional points of .025 log *E* are available manually, to allow for any emulsion corrections needed. Zero close shutters to allow extended scene printing. . . 2000-foot capacity. . . Single 1000-watt lamp, proximity reflector type. . . Edge light printing separately controlled at aperture. . . Instruments internally illuminated. . . Slow-start circuit to prevent film damage. . . Internal air pressure. . . Pre-wired for sound head installation. . . Available accessories include: a 6-speed fader (034003), a tape checker-tape duplicator unit (6173D), 1000-watt rectifier (6160), 16mm, 35mm 35/32mm soundheads, and RF cue kit (6395).

*OBsolescence Insurance

No matter what the future requires, your investment is protected because this printer is designed to keep pace with your laboratory's growth. Pre-planned and pre-drilled for the installation of two light valves and beam-splitting dichroics, the model "MB" can be up-dated to the model "C" fully automatic additive color printer. The "MB" is always ready for this conversion. Not even electrical changes are required. Also available at



your option is an automatic fade unit for fades of 16-24-32-48-64- or 96 frames as programmed on the control tape.

DEMONSTRATION FILM AVAILABLE

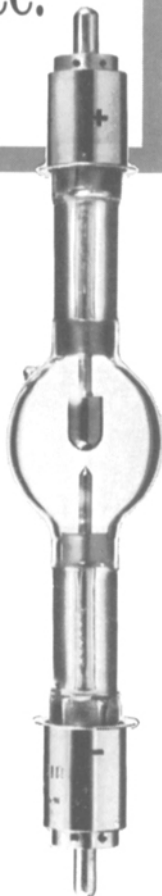
A three minute sound film has been prepared demonstrating the color additive printer system. Examples of color correction are shown, as well as demonstrations of unique light valves and tape controlled operation. For your free copy of this film write or phone James L. Wassell, Director of Marketing, Bell & Howell Company, 7100 McCormick Road, Chicago, Illinois 60645, (312). OR 3-3300

Bell & Howell

PROFESSIONAL
EQUIPMENT DIVISION
7100 McCORMICK ROAD
CHICAGO 45 ILLINOIS

High intensity,
high brightness,
full spectrum,
long life,
complete reliability,
rapid start,
no maintenance.

What more could you want from a compact arc lamp? Nothing. Hanovia Xenon, Xenon-Mercury and Mercury Lamps boast every feature you could require for solar simulation, lasers, instrumentation, photochemistry, and communications. All operate DC, AC, pulsed, simmer-flash or modulated, in wattages from 80 to 5,000. One universal starter is all you need for *all* Hanovia compact arc lamps. And only Hanovia makes the lamp *and* all associated equipment such as electrical controls and power supplies . . . in America, of course. Write for complete technical information.



★ ENGELHARD HANOVIA, INC. ★
HANOVIA
LAMP DIVISION
100 CHESTNUT STREET • NEWARK 5, NEW JERSEY

Petro Vlahos - Future of Television Recording (thermoplastic, Kalvar, electrostatic recording, space TV and telemetry application)

The course will also include two field trips, one to Consolidated Film Industries, conducted by Edward Reichard; the other to CBS Television, conducted by Herbert Pangborn. Another special event included in the course will be attendance at the 95th SMPTE Technical Conference at the Ambassador Hotel on April 13.

In announcing the course, it was noted that "Although television today makes extensive use of recorded program material, the lines of demarcation between film and tape recording and broadcasting practice are becoming much more diffuse. A thorough understanding of all the techniques and problems is essential for everyone engaged in any aspect of the industry."

The University of Rochester, Rochester, N.Y., has announced plans for an astronomical observatory to be named in honor of the late C. E. Kenneth Mees. A grant of \$102,300 from the National Science Foundation will be used to equip the observatory. Substantial supporting contributions from the Mees family and Eastman Kodak Co. will provide for the development of a site and the construction of observatory buildings. Expected to be in operation by the end of the year, research programs which will utilize the new observatory will include investigations of gases and cosmic dust between stars; studies on the structure of galaxies, and continuing research on the evolution of variable stars. Equipment will include a 24-in. optical telescope.

The Midwest Program for Airborne Television Instruction, Inc. (MPATI), Purdue University, Lafayette, Ind., and the Instructional Television Library, University of Nebraska, Lincoln, Neb., are now offering course material from their libraries on 2-in. video tape for use by educational institutions equipped with video-tape recorders. The type of material available on tape includes science, drama, social studies, mathematics, languages, literature and history, ranging through elementary and high-school levels. A course in the Russian language called "Living Russian" is available for college classes. A Sixth Grade course in arithmetic is called "The Wonderful World of Numbers." There is also a course in mathematics called "Exploring Mathematics," designed especially for gifted children.

Foothill College, Los Altos Hills, and **Contemporary Cinema** of Palo Alto, Calif., have announced the Third Annual Independent Film-Makers Festival, which will be held May 29-31 at the college. Three prizes are offered and films will be judged on the basis of originality of idea, effective transposition to and use of film medium, soundtrack, and overall sustained mood. Competition is limited to 16mm films completed between January, 1962, and April, 1964. Information is available from Mrs. Max Bakalinsky, Independent Film-Makers Festival, 3765 Wright Place, Palo Alto, Calif.

1964 Brings *VERSATILITY* in the

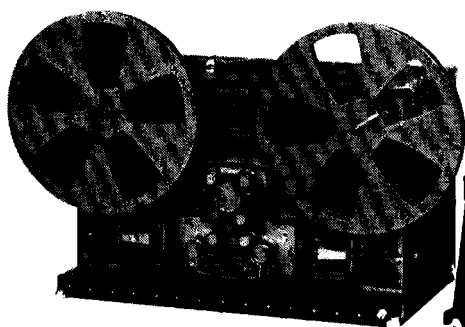
AMEGA SOUND SYSTEMS

All recorders, dubbers and mixers have plug-in head assemblies and plug-in amplifiers which are interchangeable from one unit to the other.



RECORDER MODEL A-1 PORTABLE OR STUDIO

Lightweight single case complete record-play system up to date for 16 mm production.

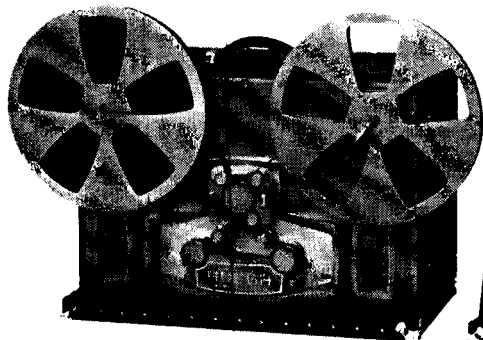


RECORDER MODEL A-2 PORTABLE OR STUDIO

Two case complete synchronous recorder with amplifier-mixer. 16 mm only.

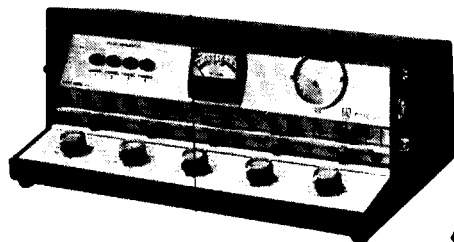


Recorders priced from \$1300.00
Dubbers priced from \$900.00



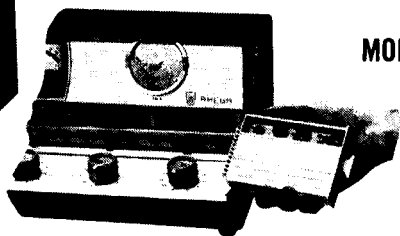
RECORDER MODEL M-2 PORTABLE OR STUDIO

The M-2 recorder has two microphone input channels, plug-in amplifiers and many other outstanding features. Available 16mm, 17½mm and 35 mm.



MODEL E-1 MIXER 4 CHANNEL MIXER FOR PORTABLE OR STUDIO USE

Module amplifiers feature "space age" enclosure which plugs into the front panel of all AMEGA recorders and mixers.



Complete line of selsyn, sync-selsyn and interlock motors compatible with all equipment.

SEE YOUR DEALER OR WRITE FOR DETAILS.



MANUFACTURERS OF
MOTION PICTURE SOUND DEVICES

AMEGA

P. O. BOX 25, SUN VALLEY, CALIFORNIA RO 7-0250

AN AFFILIATE OF OMEGA ENGINEERING COMPANY

Cable Address: AMEGAMAG North Hollywood, California

An annual event called **Hollywood: Screens World TV Classics** will be held for the first time February 28-29 and March 1 at the Directors Guild of America Auditorium, 7950 Sunset Blvd., Hollywood, Calif. The purpose of the event, which is not a festival and is not competitive (no awards are offered) is to show, in Hollywood ("the world's entertainment center"), the best television programs produced outside the United States, and to give program producers of the world an opportunity to have their programs screened in Hollywood by the American television industry under professional conditions. The event is sponsored by 10 Hollywood television production companies in cooperation with *Telefilm International Magazine*. Additional information is available from Al Preiss, Publisher, *Telefilm International Magazine*, 7071 Hollywood Blvd., Hollywood 28.

The **Society of Photographic Instrumentation Engineers (SPIE)** has announced a two-day seminar to be held March 2-3 at the Chase-Park Plaza Hotel, St. Louis, Mo. The discussion will cover photooptical data reduction, from acquisition to utilization, and the techniques and equipments involving manual, semiautomatic, and automated means employing electrooptical, photooptical, electronic and mechanical devices. Seminar Chairman is R. J. Gast, P.O. Box 284, Florissant, Mo.

The **Society of Photographic Instrumentation Engineers** will hold its 9th

Annual Technical Symposium August 24-28, in Miami Beach, Fla. Papers will be presented on such topics as Satellite-Borne Photographic Instrumentation; Optical Satellite Tracking; Image Intensification Enhancement; Industrial and Research Application of Photographic Instrumentation; Medical Application of Photooptics; Automated Data Processing and Reduction; New Developments and Applications in Photographic Instrumentation; Photographic Instrumentation Education; Top Management Views on Photographic Instrumentation; and Prognosis of Photooptical Instrumentation and Techniques in the Next Decade and Beyond. Program Chairman is Gerald B. Cope, 933 W. Whitmire Dr., Eau Gallie, Fla.

The **N.E. Regional Industrial Photographic Show** will be held in conjunction with the N.E. Industrial Photographic Assn. March 23-24 at the Holiday Haven on Route 1 in Norwood, Mass. Hours will be 1:00 to 9:30. Sponsors are Claus Gelotte, Inc., and Smith's Photographics Unlimited, 269 Massachusetts Ave., Boston 15. More than 40 manufacturers will display materials and equipments.

An **International Conference on Non-linear Magnetics**, sponsored by IEEE, will be held April 6-8 at the Shoreham Hotel, Washington, D.C. Papers sessions will cover such topics as Computer Magnetics; Superconductive Devices; Recording; Instrumentation; Power Control; Properties of Magnetic Materials. Program Chairman

is R. C. Barker, Department of Engineering and Applied Science, Yale University, Dunham Laboratory, New Haven, Conn.

The **Professional Technical Group on Human Factors in Electronics** of the IEEE will hold its annual symposium May 5-6, in San Diego, Calif. The theme will be "The Challenge of Interdisciplinary Technology." Topics will include: Human Factors Applications to the Design and Manufacture of Electronics Equipment; Man-Machine Interaction-Simulation and Models; Biological and Behavioral Instrumentation; Bionics and Artificial Intelligence; Professional and Technical Trends in Human Factors Engineering; and Quantification and Prediction of Man-Machine System Failure Rates. Program Chairman is Dr. Mel Freitag, 1910 Shire Dr., El Cajon, Calif.

Antenna and electric wave propagation research—current level of knowledge and practice—was the subject of a three-day forum to be held at the Midwest Electronics Research Center, University of Illinois, Urbana, Ill., January 28-30. Forum coordinator was Prof. Paul Mayes, Antenna Research Laboratory, Electrical Engineering Dept. The forum was planned as a concentrated short course for graduate engineers working in the antenna field. Topics discussed included frequency independent antennas; antennas in anisotropic and conducting media; aperiodic antenna arrays; and data processing antenna systems and partial coherence.

ACMADE MARK II EDITING TABLES

- 35mm and 16mm
- For Studios & TV
- Cutting and Viewing

MAKES EDITING EASY!

- Continuous movement (non-intermittent) safer for negative or positive viewing.
- Synchronous and variable speed, instant stop, forward and reverse foot pedals and press button.
- Film paths instantly declutchable by switch selection.
- Projected picture 8"x6" or larger by removing screen.
- Separate magnetic and combined optical and magnetic heads.
- Built-in synchronizer footage counter and running time counter.
- Removable flange plate with title wind roller.
- Instant sound track selector.
- Manual inching control.
- Fast rewind controls.

AMONG THE USERS:

American Meteorological Society, Mass. Army Ordnance Corps., Md. Bay State Films, Mass. Educational Services, Mass. General Film Labs, Inc., Mich. Harvard University Medical School, Mass. University of Illinois. University of Minnesota. Porta Films, Mich. Safety Enterprises, Ohio. Sarra, Inc., Ill. Sound & Scene Productions, Tex. Stamford University, Calif. J. Walter Thompson, New York. U.S.I.A. (T.V. Branch), Washington, D.C. U. S. Naval Base, New London, Conn. U. S. Naval Base, San Diego, Calif.

\$3295

fob New York



Serving the World's Finest Film Makers

FLORMAN & BABB

68 West 45th Street New York 36, N. Y.
MU 2-2928

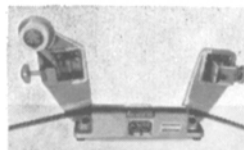
Canadian Branch:

1263 Dorchester Blvd. West, Montreal, Quebec

Another Fine Product From ACMADE

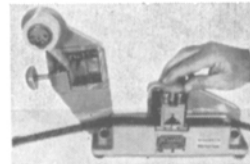
AUTOMATIC BUTT SPLICER

Cuts, Splices, Applies
Magic Mylar Automatically!



Now, with no fuss, mess or waste, it is possible to splice, repair, butt-splice, or strengthen splices on all types of film—positive, negative, magnetic — even duPont Cronar or other bases.

The cutting arm, shown in operating position, is used by pressing the chrome button for cutting both sides of the film simultaneously.



The film, has been registered on pins in the horizontal channel. The cutting blade is easily replaced.



The splicing tape is registered on precision pins and held in place until automatically applied to the film by swinging the arm over and pressing the chrome button, cutting the adhesive and applying it — in perfect register to the film.

Model 35 for 35mm, Model 16 for 16mm—\$295

NEW CINE REVERSAL LIQUID CONCENTRATE

**takes the work out of processing
black & white Reversal Film**

FR Cine Reversal Liquid Concentrates are a completely integrated processing system, consisting of: First Developer, Bleach, Clearing Bath, Second Developer, and Fixer.

Each highly concentrated liquid is formulated to complement the other for maximum speed, efficiency, storage life, and operating life.

No more bulk chemicals to mix, store or inventory.

No more heavy oversized containers to lift.

Each concentrate is packed in hard 5 quart containers. Makes 5 gallons of solution. Draw off only what you need. The balance stays factory fresh.

No more "heavy cleaning" of machines.

Special sequestering agent cleans automatic equipment as it works, sharply reduces sludge and residue.

No more degradation of phenidone thanks to special formulation.

No more worry about tonal values.

Maximum blue-black results are automatic.

A word about The FR Corporation:

THE FR CORPORATION has been making photographic chemicals for over 30 years. We can modestly say that we have a highly respected name in the field... and our reputation is built on quality—top quality—ask any photographer, ask any professional who must rely on his chemicals.



For further information, write The FR Corporation,
Bronx, New York 10451, or phone 212 CY 2-8900.



The American Federation of Information Processing Societies has established a headquarters office at 211 E. 43 St., New York 17, it was announced by J. D. Madden, Chairman of the AFIPS Board of Governors. Redmond Gardner has been appointed Executive Secretary Pro Tem of AFIPS.

An International Conference on Magnetic Recording will be held during the week beginning July 6, at the headquarters of the Institution of Electrical Engineers, Savoy Place, London, W.C.2, England. In addition to the Institution of Electrical Engineers, the Conference is sponsored by the British Institution of Radio Engineers and the Institute of

Electrical and Electronics Engineers (IEEE). This Conference represents the first occasion on which the European Region of the IEEE, working through its United Kingdom and Eire Section, has been a co-sponsor in an International Conference.

The International Congress on Instrumentation in Aerospace Simulation Facilities will be held in Paris, France, with the date tentatively set for September 28-29. The Congress, to be held under the auspices of the Committee on Instrumentation in Aerospace Simulation Facilities of the IEEE, will cover the technology of instrumentation components and systems

which are used in the measurement of simulated aerodynamic and environmental influences on aerospace vehicles and models. Present plans include sessions on Wind Tunnel Measurements — Static Parameters; Wind Tunnel Measurements — Dynamic Variables and Brief Duration Testing; Measurements in Hypervelocity Ranges; and Measurements in the Simulated Space Environment. Additional information is available from P. L. Clemens, VKF/AB, Arnold Air Force Station, Tennessee, U.S.A.

Documentary motion pictures on farm life and food products produced by the State of Maine Department of Agriculture were viewed last year by an audience of 52 million people, it was recently announced. One film, *Maine Barbecue*, which was given 100 television showings during the fiscal year ending June 30, was also shown during that time by 591 theaters to audiences totaling 917,000 people, the announcement stated. The films are offered to theaters and television stations as a public service.

A new technique announced by Cavalcade Productions, Inc., of Chicago, for making filmstrip prints involves the use of Kodak Color Internegative Film Type 6008 as an intermediate material and Eastman Color Print Film Type 5385 for the final prints. This method is said to result in greatly improved filmstrip print quality. The quality, particularly in respect to contrast characteristics and color saturation, is reported to be very close to that of the original transparencies. Before beginning to use the new system, the firm found it necessary to install a new animation setup to accommodate the unusually long exposures needed for the internegative. In comparison with the usual half-second exposure provided by the average animation motor, the exposure for Type 6008 may run as long as 16 seconds. Processing of the internegative also presented a problem, according to the announcement, but installation of special facilities at the firm's Lakeside Laboratory is said to have solved the processing problem.

The first releases that were made using this system were the Royal Commission series of eight Sunday School teacher training sound filmstrips produced for Scripture Press of Wheaton, Ill., who publish Sunday School lessons and teaching materials.

H. C. Yutzy, Vice-President of Eastman Kodak Co., is among eight industry executives elected recently to four-year terms as members of the Board of Directors of the American Standards Association. The ASA, which has been in existence for 46 years, is planning an accelerated program of international activities for 1964.

Stan Eales will represent the Dimmer Division of Ward Leonard Electric Co., Mount Vernon, N.Y., in Southern California, Arizona and Utah. He will be stationed in the firm's Los Angeles office. He will also act as dimmer consultant to

*finest maintained
rental equipment*

RENT **SALES** **III-SPEED**
SOUND **POWER SUPPLIES**
LIGHTING **PICK UP & DELIVERY** **BLIMPS** **CAMERAS** **editing**
PROJECTION **ZOOM LENSES** **machine shop**
SPECIAL ACCESSORIES **DOLLIES**
camera service center, inc.
 sales affiliate • CAMERA SALES CENTER CORPORATION
 333 WEST 52nd STREET • NEW YORK 19, N.Y. PL 7-0906

SMPTE MEMBER
CS

we work with you ...against the clock

Wherever in the world you are, if you're near a major airline, you're close to our laboratory's fast schedule for quality processing. Here are a few typical examples from our files.



In our home town, 35mm or 16mm negative in by 11 p.m., developed and dailies ready 9 a.m. next day. 16mm Ektachrome developed overnight.



Ektachrome in for developing ... color workprints in customer's hands in 3 to 4 days total elapsed time. (Same schedule for Honolulu customers.)



17,000 miles and through customs four times; Ektachrome developing and workprints delivered in 5 days. 35 mm color or b&w negative in 4 days.



Three days round trip for developing and dailies, for 35mm color or black-and-white negative, including four custom stops along the way.

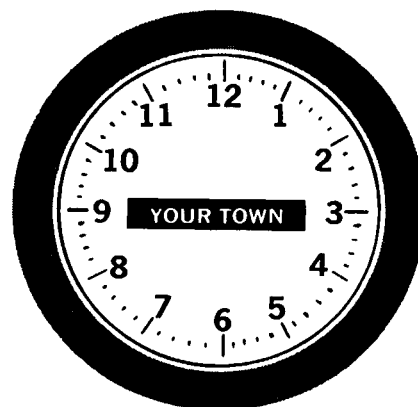


For 35mm or 16mm, anywhere in Puerto Rico or the Canal Zone, the round trip takes three or four days for most processing assignments.



16mm release prints in quantity and top quality, color or b&w, from 16mm A and B rolls through dupe, five to ten working days.

2-8



How about you? Jet transportation, combined with General Film's fast gearing of procedures and facilities, has solved many producer problems.

ask us for complete information

We have a new price list awaiting your request. We will be happy to quote delivery schedules. We believe both the prices and schedules will be to your liking. We know you'll like the quality!



GENERAL FILM LABORATORIES

A DIVISION OF PACIFIC INDUSTRIES, INC.

1546 N. Argyle, Hollywood, California 90028
Telephone (213) HOLLYWOOD 2-6171

representatives of the firm stationed west of the Rockies. Henry Lowenstein will represent the Dimmer Division in Denver, Colo., and will cover dimmer sales in Colorado, New Mexico and Wyoming.

Oliver H. Oliver has joined the staff of Producer Services, Inc., 4519 Maple Ave., Dallas, Tex., as Manager of Sound Services. Mr. Oliver was formerly Sound Engineer and Sound Department Head at Southwest Film Laboratories in Dallas.

Fred E. Aufhauser has resigned as president of Vicom and has assumed the management of Keystone View Company in Meadville, Pa., a subsidiary of Mast Development Company in Davenport, Iowa. Keystone manufactures instruments for the ophthalmic, educational and entertainment field.

A. P. Lofquist has been appointed Plant Manager of Technicolor Motion Picture Division and R. W. Bachmayer has been appointed Assistant Plant Manager, according to an announcement from Technicolor Corp., 50 Rockefeller Plaza, New York 20. Both men have been with the firm since 1945.

John F. Mitchell, formerly of Army Pictorial Center, has joined Ampex Corp., Northeast Region, 600 East Palisade Ave., Englewood Cliffs, N.J. 07632. Mr. Mitchell will provide service engineering on television, digital, and instrumentation equip-

ments in the New York area and northeastern United States.

Reorganization and expansion of the Public Health Service Audiovisual Facility at the Communicable Disease Center in Atlanta has been announced. Staff appointments include Charles N. Farmer, Jr., Chief of the Utilization and Distribution Section; Norman L. Cole, Chief of the Graphic and Photographic Arts Section; George C. Maloney, Chief of the Scenario Unit; and Miss Katherine Skogstad, Information and Publications Officer.

Herman Schkolnick has been appointed head of a newly organized department which coordinates management of Du Mont Laboratories electro-visual products, according to an announcement from Fairchild Camera and Instrument Corp., 750 Bloomfield Ave., Clifton, N.J. In his new post Mr. Schkolnick will have overall responsibility for design, development and marketing of television equipment for industrial, institutional, military and space applications.

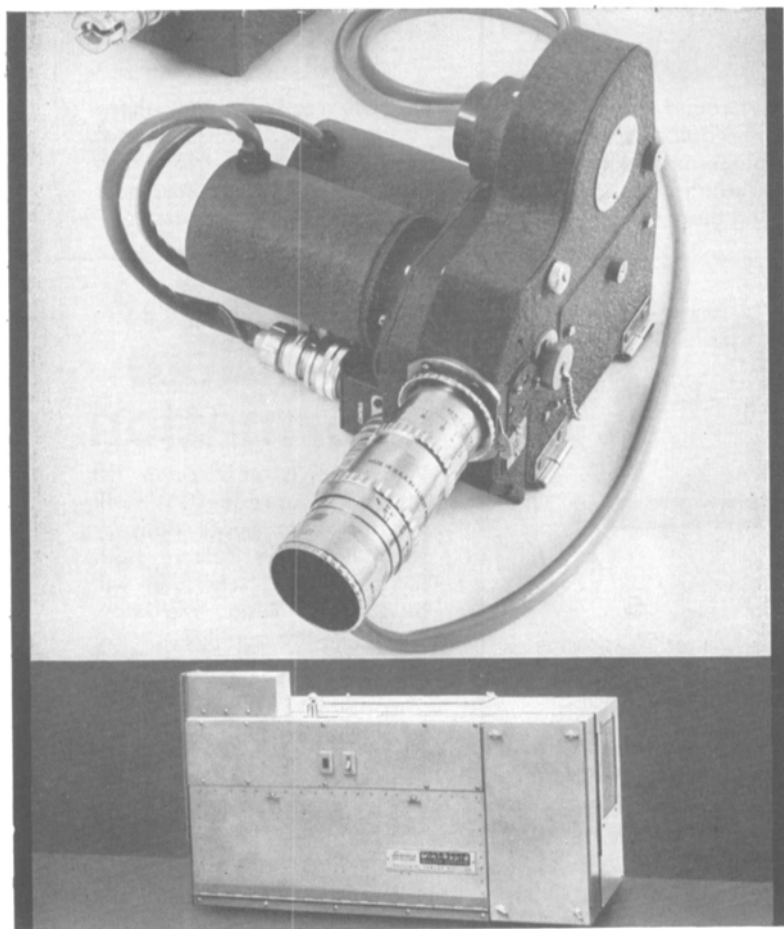
A Special Services Division designed especially for scientists and engineers who use photography in their work has been announced by Potter's Photographic Applications, Inc., 160 Herricks Rd., Mineola, N.Y. The new service, supervised by Abraham Potter, president of the firm, offers a complete service from consultation through design and construction of new equipment,

if required. The announcement noted that increasing numbers of scientists and engineers in many fields are using photography for research applications, but because of rapidly changing technology in scientific photography may find it impossible to keep up with new methods and equipments.

"... There is a real need for a central repository of information on scientific photography where engineers and scientists can come for information and guidance," the announcement stated.

A new building to house an electronic parts depot, described as "the world's largest," is planned by the Radio Corp. of American and will soon be under construction, according to a recent announcement. The new building will be located in Camden, N.J. on a plot covering more than 100 acres. Costing an estimated \$2½ million, the building will cover approximately 200,000 sq ft. It will take the place of a 100,000 sq ft leased building in Camden. The new facility, operating on a round-the-clock basis, will serve as headquarters of the RCA Parts and Accessories activity.

Dimension 8 Film Laboratories, a specialized motion-picture laboratory dealing solely in 8mm film, has been established at 510 Madison Ave., New York 22. President of the new firm is Gilbert S. Wald. Services offered include reduction printing and processing of all types of 8mm film includ-



14,000 pictures per second with Fairchild's HS108 camera

(Equipped with eight-sided prism and high speed motor set)

Speed range 7,000 to 14,000 pps. according to applied voltage. 100 ft. capacity. Two timing marker lamps. Adjustable aperture for 8mm or split 16mm formats. Other models available with speeds down to 45 pictures/second or with oscillo-streak capabilities. Dimensions, 8" X 8½" X 7". Weight, 14 lbs.

Mini-Rapid 16mm Processor

16mm negative processing at speeds up to six feet per minute is possible with Fairchild's F-316A Portable Processor—no plumbing necessary. Processing rate 1 ft./min. to 6 ft./min. can be varied according to emulsion type and density required. Capacity 400 ft., has four 16 oz. tanks. Chemicals pre-mixed and pre-measured. Dual thermostats affording complete control over solution and drying temperature. Daylight, leaderless loading. 13" X 13" X 27". Weight 65 lbs.

Write today for your free copy of Fairchild's complete Data File on high speed cameras, oscilloscope cameras and processing equipment. All prices and detailed specification included.

FAIRCHILD

INDUSTRIAL PRODUCTS

A DIVISION OF FAIRCHILD CAMERA AND INSTRUMENT CORPORATION
221 FAIRCHILD AVENUE, PLAINVIEW, LONG ISLAND

FROM **35** OR
16

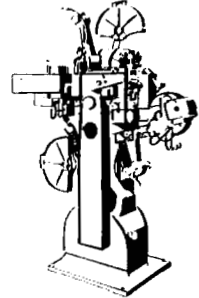
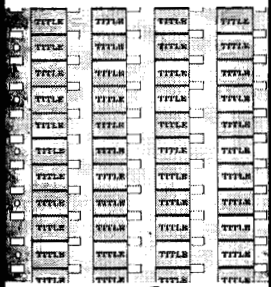
Another first from André Debie, the new TIPRO QUAD 8 makes four 8 mm prints in one pass from your 35 or 16 mm originals in color or black and white.

Here is the answer to the "quality or quantity" dilemma in 8 mm print production. For the highest quality, use the QUAD 8 for release printing — and still get 50 feet per minute of output. For quantity orders, make an internegative on the QUAD 8 — you'll get 4 images on a single strand of 35 mm or on 2 strands of 16 mm — then make release prints on your continuous printer. In either case, the output of the QUAD 8 is economically handled by 16 or 35 mm developing equipment before final slitting.

Each of the four simultaneous images is individually adjustable for maximum sharpness. Automatic light changes and fading attachments are available if desired. If you're doing any 8 mm work, you should have the QUAD 8 in your shop.

ETLIL
ETLIL

**ANDRÉ
DEBRIE
TIPRO
QUAD 8
OPTICAL
PRINTER**



Fine print quality — the result of careful engineering and precision manufacturing — is a traditional hallmark of André Debie film printing equipment. Such quality has its ultimate payoff in your customer's satisfaction with your production.

TO
4 X 8 MM
IN ONE PASS



ing color, black-and-white, silent and sound.

Canyon Films of Arizona, Inc., 834 N. Seventh Ave., Phoenix, Ariz. has announced completion of a 60- by 90-ft sound stage as part of an expansion program that began about three years ago. The new sound stage is equipped with 150,000 w of lighting and is completely air-conditioned. A 40- by 40-ft scene dock has also been completed recently. The firm specializes in production of non-theatrical films.

Research Products, Inc., a Division of Cinema Research, Inc., of Hollywood, has contracted to design and build an optical printer for Ramnord Research Laboratory, Bombay, India, it was announced by Hal Scheib, President of Research Products. The printer, which will handle 8, 16, and 35mm film, will be used particularly to produce 8mm prints of educational films for distribution in India. According to Mr. Scheib, educational film producers in India intend to use a great deal of 8mm film, mainly because of the economics involved and because "the motion-picture industry in this country is so comparatively young it is not tied to larger film sizes."

Oxberry Corporation is the new name for the Animation Equipment Corp., 38 Hudson St., New Rochelle, N.Y. Oxberry will continue to be the trade name for all company products. Ownership, man-

agement and financial responsibility are in no way affected by the name change. In addition to animation stands and animation cameras, the firm also manufactures optical printers, film strip equipment, special projectors and several types of process cameras.

Ownership of Alexander Film Co., Colorado Springs, Colo., has been acquired by Keith Munroe, President; Cortlandt S. Dietler of Denver; F. M. Late of San Angelo, Texas; and J. A. Oleson of Sterling, Colo., according to an announcement from Mr. Munroe. Messrs. Dietler, Late and Oleson have also been elected Directors of the company. It was also announced that a wholly-owned Canadian subsidiary has been established to be known as Alexander Films of Canada, Ltd.

Gordon Enterprises, 5362 N. Cahuenga Blvd., North Hollywood, has been appointed Industrial Distributor for the Pathe Professional 16mm Reflex Reflex Camera. The camera is lightweight, compact, and features a reflex viewfinder which magnifies the image eight times to give exact framing without parallax. The variable shutter is of a new design and ranges from 180° to totally closed. A sound signal is given when the shutter is in the closed position.

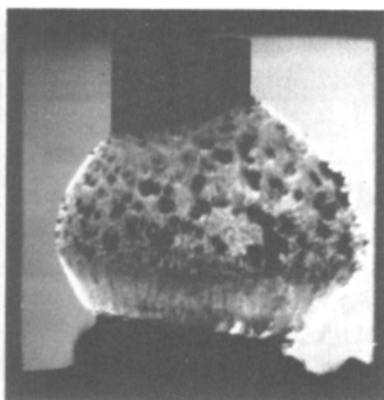
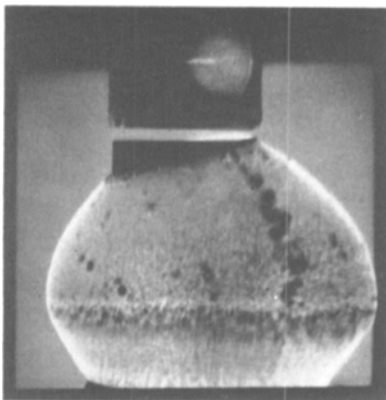
The Short Throw Super Trouper has been added to the large installation of lighting equipment in the 5000-seat

Crown Theater in Chicago, according to an announcement from Strong Electric Corp., 79 City Park Ave., Toledo 1, Ohio. The installation now includes 12 follow spotlights, three slide projectors and two projection arcs.

Hollywood Film Co., 956 N. Seward St., Hollywood 38, has been appointed exclusive distributor for Pyral 16/17½ and 35mm magnetic film and magnetic coating machines for the United States and Mexico. The machines are produced by Pyral of France.

Bell & Howell Co. has appointed Zoomar International, Inc. of Glen Cove, L.I., N.Y., professional representative for Angenieux lenses in the firm's 16mm line. The line includes a new 12mm to 120mm zoom lens with reflex viewfinder and fixed focal length lenses ranging from 25mm *f*/1.4 to 150mm *f*/2.7. These lenses fit 16mm movie cameras in the Bell & Howell Model 70 series.

The Camera Mart Building will be the new name of the building at 1845 Broadway, New York, occupied by Camera Mart, Inc., following remodeling and modernization of the front of the building and acquisition of additional space within the building. The firm has acquired the third and fourth floors of the building to make room for expanded sales and rental activities. More than 12,000 additional sq ft of floor space will be provided.



Just published:

VOLUME 2 OF

Instrumentation and High-Speed Photography

(SERIES II)

This latest volume in SMPTE's high-speed photography reprint series brings up to date an authoritative record that the Society began publishing in 1949. The papers—many of which have been supplemented since their original publication in this Journal—cover these topic areas:

Cine Applications

General Instrumentation

Reports on the Sixth International Congress on High-Speed Photography

Space Technology and Image Sensing

Television Applications

High and Ultra-High-Speed Cameras and Techniques

This new volume features a cumulative index for all eight volumes in the two SMPTE high-speed photography series, and abstracts in French, German and Spanish. (Volume 1 of Series II is still available at \$4.00, with the same discounts.)

Address your order to

Society of Motion Picture and Television Engineers

9 East 41st Street, New York, N. Y. 10017

\$5.00 Less 20% to SMPTE Members on single copies. Less 25% to all purchasers on orders of 5 through 49 copies; 33 1/3% on 50 copies or more. In New York City, please add 4% sales tax.