

Kodak Co., with the first program in a new Visual Encyclopedia series on computers and computer technology. This presentation was called "Introduction to Computers."

Edward Fredkin, Vice President, Advanced Development, Information International, Inc., Cambridge, Mass., gave a presentation on "Pictures, Computers, and Common Sense." He described the methods and ideas examined in the instruction of computers to recognize characters and ultimately pictures. The pitfalls and problems associated with character recognition were detailed. Fredkin commented on the future of computer programming, and the rapidity of obsolescence in both equipment and language with emphasis on the increasing speed and intelligence of computers and the decreasing costs of equipment and use. Fredkin showed a keen sense of humor and his presentation was both informative and enjoyable.

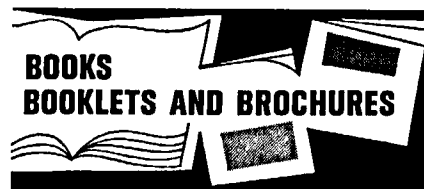
More than 100 persons attended the meeting held at the Dryden Theater.—Raymond H. DeMoulin, *Secretary-Treasurer*, 193 Kaymar Dr., Rochester, N.Y. 14613.

SAN FRANCISCO, Dec. 13—"Video Tape and Its Life Cycle," was the subject of a talk given by Edward G. Wildanger, Products Manager, Video/Instrumentation, Memorex Corp., Santa Clara, Calif., to the San Francisco Section at KGO-TV. Fifty-five persons attended the meeting.

Wildanger discussed the nature of magnetic tape designed specifically for recording and reproducing broadcast-quality TV signals. Factors that affect quality in the manufacture, processing, and testing of video tape were discussed, and the effects of various defects on picture and audio quality were described.

Typical failures encountered in use of video tape were presented. Practical tips were given to extend the life of video tape. Numerous slides and illustrations were used to show typical damages and their causes. Wildanger pointed out that if these causes were eliminated, the extended tape life would lower operating cost.

Formal and informal discussions followed Wildanger's presentation.—John B. Steiger, *Secretary-Treasurer*, 1316 Morton Ave., Los Altos, Calif. 94022.



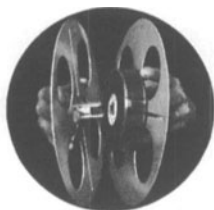
Sound and Vibration is a new monthly publication of Acoustical Publications, Inc., P.O. Box 9665, Cleveland, Ohio 44140. It will serve the fields of acoustical engineering, noise and vibration control, vibration testing, and dynamic mechanical measurements. The Editor is Lewis S. Goodfriend and the Publisher is Jack K. Mowry. Mr. Goodfriend is President of Goodfriend-Ostergaard Associates. Previously, he edited *Noise Control* and *Journal of the Audio Engineering Society*. Mr. Mowry was formerly Marketing Services Manager for B&K Instruments, Inc. The first issue of *Sound and Vibration* was distributed in January on a controlled circulation basis.

American Cinematographer Manual, an official publication of American Society of Cinematographers (ASC), is now available as a new (2d) edition. It is a 630-page, pocket-size book containing a comprehensive compilation of cinematographer data. A review appeared in the *Journal*, p. 402, May 1961. It was compiled and edited by Joseph V. Mascelli. The Associate Editor is Arthur Miller. The manual is available from ASC, P.O. Box 2230, Hollywood, Calif. 90028. It is priced at \$12.50.

The Instrument Society of America (ISA) 1967 Publications Catalog and the 21st Annual ISA Conference Proceedings and Preprints Catalog are available upon request to: Instrument Society of America, Publications Dept., 530 William Penn Pl., Pittsburgh, Pa. 15219. The Proceedings and Preprints Catalog lists over 150 preprints of technical papers presented at the 21st Annual ISA Conference held in October in New York. Included in the catalog is a description of the four-part Proceedings of the conference. The 20-page Publications Catalog lists books, periodicals, monographs, etc., and more than 70 proceedings of ISA sponsored and co-sponsored conferences and symposia.

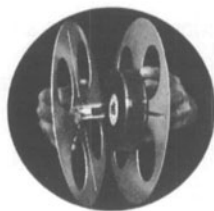
Bell Laboratories Record magazine, November 1966 issue, is devoted to integrated electronics, with particular emphasis on Bell System's development and use of integrated circuits and tantalum thin film circuits. In addition to survey articles, the issue includes articles on specific uses of integrated electronics in the Trimline Touch-Tone telephone, the T-2 Pulse Code Modulation System, No. 1 Electronic Switching System and high-speed data systems. A limited number of copies are available on a first-come, first-served basis at a price of 25 cents from M. W. Nabut, Managing Editor, Bell Laboratories *Record*, Bell Laboratories, Murray Hill, N.J. 07971.

The Newsroom and the Newscast, a Time-Life Broadcast, Inc., publication



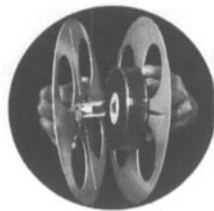
at last

there are flanges and split reels which
HANDLE ALL FILM
any way it comes; on reels, on positive cores, on negative cores, or tightwound. They're the new patented MASTEREEL flanges and split reels.



at last

there are split reels whose halves are
INTERCHANGEABLE
flanges which can instantly engage with any other flanges of the same film size to form a split reel. They're the new patented MASTEREEL flanges and split reels.



at last

there are flanges and split reels which are
FULLY COMPATIBLE
with all your present equipment; they fit all rewinds, projectors, editing or viewing equipment. They're the new patented MASTEREEL flanges and split reels.



Incredibly simple, completely versatile, these all-purpose flanges and split reels are the heart of the new

MASTEREEL
FILM HANDLING SYSTEM

The result of exhaustive product design and development based on years of professional film handling experience. With just one pair of MASTEREEL split reels in the film size of your choice, you can use inexpensive plastic film cores instead of reels and also start saving important money in all other phases of film handling. Anytime you choose to save more, you can use the new sturdy lightweight MASTEREEL plastic film cases for unbelievable savings in storage and shipping.

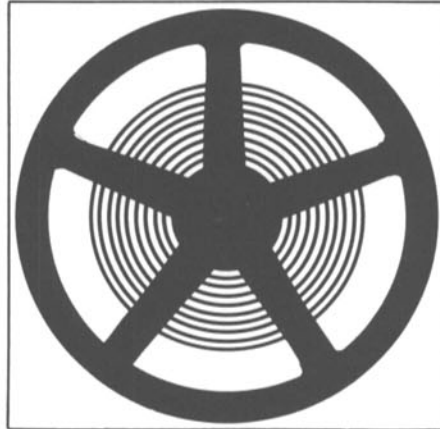
Want to know more? Write us for details.



MASTEREEL INDUSTRIES, INC.

25 HOME STREET, WHITE PLAINS, NEW YORK 10606 TEL: (914) 946-4884 / DIRECT N.Y.C. TEL: (212) 933-1488

MASTEREEL are Trademarks of MASTEREEL INDUSTRIES, INC.



AROUND THE GLOBE . . .

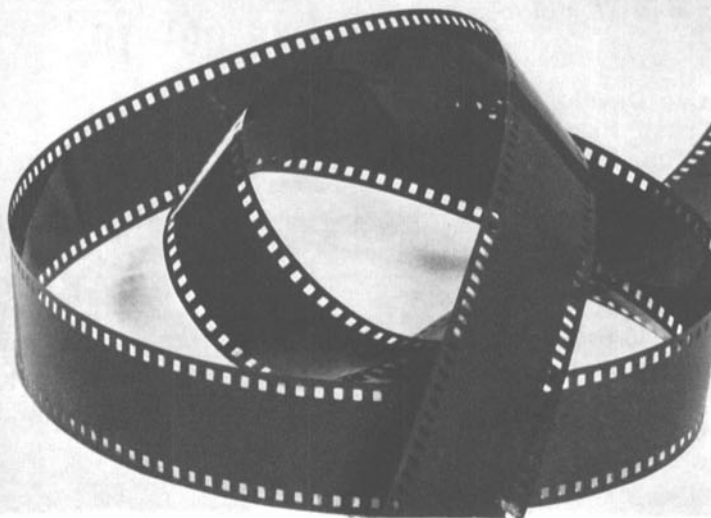
Film for every segment
of the motion picture and television industries :
for the cameraman and the soundman
the laboratory, the theatre and the telecast
in color and black-and-white.

Progressive scientific research and
a world-wide organization means
all-around service before and after sales.

Apply for detailed information to: GEVAERT-AGFA N.V., ANTWERP-BELGIUM

In the U.S.A.: AGFA-GEVAERT Inc., 275 North Street, Teterboro, New Jersey

In Canada: Photo Importing Agencies Ltd., 29 Gurney Cressent, Toronto, Ontario, Canada



MOTION PICTURE FILMS

GEVAERT

AGFA-GEVAERT

(112 pp. illus., 8½ by 11 in., ringbound) is available from Radio Television News Directors Assn., WKAR Radio, Michigan State University, East Lansing, Mich. 48823, at a price of \$2.50. The book is based on presentations, by architects, newsproducers and directors, television engineers, lighting directors, art directors, scenic designers and others concerned with news broadcasting, at five regional news-film conferences held throughout the United States during 1966. The book is divided into nine sections, including the Preface by Robert Gamble, President, RTNDA. The other sections are The Model Newsroom; Staffing the Newsroom; Production of the News; The 60-Minute Newscast; Making Newscasters out of Newsmen; TV News in Color — 1966 Style; Maintaining a Library; and All News Radio. The views of forty-eight authorities in their various fields are included in the book.

Photooptical imaging systems are described in a 6-page illustrated brochure available from Giannini Scientific Corp., Santa Ana Div., 3839 South Main St., Santa Ana, Calif. 92702. Products described in the brochure include the company's random access slide projector, Model 723-1; additive color viewer, Model 6311; tape-controlled programmer, Model 7272; screening viewer, Model 706; and motion-picture projectors.

The 1967 EI Monthly Bulletin and the 1966 EI Annual Volume published by Engineering Index, Inc., United Engineering Center, 345 E. 47 St., New York, N.Y. 10017 are both available at a combination rate of \$320. Each issue of the *Monthly Bulletin* contains more than 4,000 abstracts gleaned from 2,000 publications and indexed by subject and author for the convenience of researchers and engineers. The *1966 Annual Volume* is a two-volume set of more than 3,000 pages containing some 50,000 abstracts from the 1966 *Monthly Bulletin*. The abstracts are indexed alphabetically.

The Universal Audio 962 Digital Metronome is illustrated and described in Bulletin SE-03, a technical data sheet available from Studio Electronics Corp., Universal Audio Div., 11922 Valerio St., North Hollywood, Calif. The metronome is used to provide 320 different tempo beats for use in producing live music scores for motion pictures. The tempo beats correspond to various multiples of motion-picture film frames based on a film speed of 24 frames/s.

Acme optical printers and related equipments are illustrated and described in a booklet available from Producers Service Co., 1200 Grand Central Ave., Glendale, Calif. 91201. The booklet includes lease schedules and basic rental rates for the printers and for other equipments.

The 1966 Kodak Audiovisual Products Catalog has been issued by Motion Picture and Education Markets Div., Eastman Kodak Co., Rochester, N.Y. 14650, and is available upon request. The 60-page illustrated catalog contains descriptions of equipments such as cameras, projectors, slide projectors, etc. It also contains comparison charts to aid in the selection of the most suitable equipment for a specific purpose.

What Can We Do About Sound (Bulletin No. 1424) is a 4-page illustrated report reprinted from *National Safety News* by Industrial Acoustics Co., 380 Southern Blvd., Bronx, N.Y. 10454. The bulletin outlines the many sources of noise and discusses six principal methods of controlling it. It also lists noise levels of 39 industrial machines and locations and includes a list of references.

The use of Kodak Bimat for the processing of transient data is described in "Hardware for Bimat Processing" by Robert P. Mason, reprinted from the May/June 1966 issue of *SPSE News* and available from Photomechanisms Inc., 15 Stepar Pl., Huntington Station, N.Y. 11746. The 4-page illustrated reprint discusses the design of hardware and systems employing Bimat for recording and processing CRT-displayed data generated by telemetry or computer outputs. The advantages and limitations of the process are evaluated.

We cannot emphasize too strongly that photographic film processing is a highly specialized operation, and can only be entrusted to qualified experts. It is essential that the photographic image which tells and sells is reproduced with a degree of quality that will give your message the maximum impact.

Humphries, largest Independent Film Laboratories in Europe can meet all your processing requirements, in B & W and Colour, and in all gauges.

Black & White 35 mm, Negative Developing, Picture Sound, Studio rush Prints, Picture Sound, Back projection Prints, Spotted Dubbing Prints, Fine Grain Duplicating, Negative Cutting, Release Printing, Superimposing Foreign Titles.

Colour 35 mm Negative Developing, B & W rush Prints, Colour Rush Prints, 16 Frame Colour Pilots, Silver Separation, Positives.

Titling & Animation, All photography of titles and art work Animation.

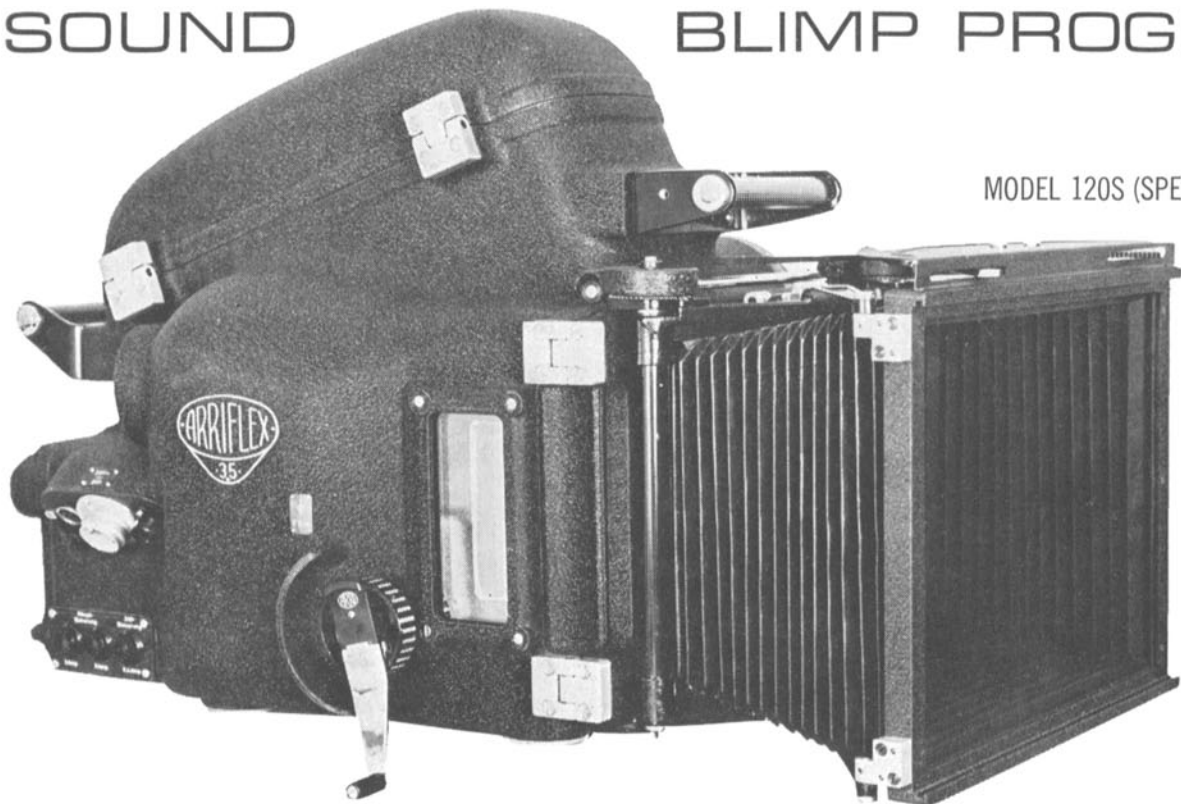
**WHEN IT
COMES TO
FILM PROCESSING ..
YOU'VE GOT TO
HAND IT TO ..**

 **Humphries**
FILM LABORATORIES
GEORGE HUMPHRIES & CO. LTD.
71-81 Whitfield St. London, W.1. ENGLAND
Telegrams & Cables: Humphrilab, London, W. 1

ARRIFLEX® 35

SOUND

BLIMP PROGRAM



MODEL 120S (SPECIAL)

***the most comprehensive in the industry—
exemplifying the unique versatility of the Arriflex 35 professional filming system***

The three sound blimps in the Arriflex 35 program cover every practical sync sound filming need. Combined with Arriflex 35 cameras, they perform to highest sound-stage standards and produce theatre-quality footage with outstanding production economy. Maximum noise isolation is achieved by means of a complex, 10 stage lining, controlled camera suspension and other sophisticated Arri design techniques. Thru-the-lens viewing is an outstanding feature of all Arri Blimps.

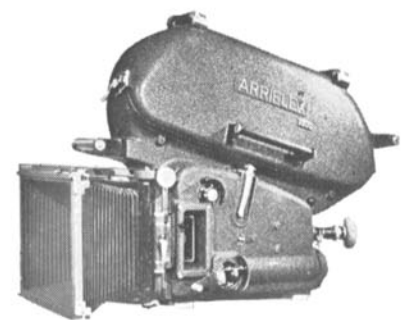
THE MODEL 120S (SPECIAL)

This extraordinarily capable Blimp features: Thru-the-lens reflex viewing; external three-position follow-focus control; external lens diaphragm control; two-position Distance and F-stop scales; AC or DC camera drive, via 117 v, AC, 60 cycle, single phase Arriflex synchronous motor, from power lines, or via Arriflex 24 volt, DC, Governor Controlled Motor from 24 volt battery supply; Extra-large front port with clear aperture for lenses as short as 18mm (Schneider or Cooke); ready access to lenses, magazine or camera through three large access doors; 400 ft. magazine capacity. On special order, model 120S Blimp, may be supplied with a special electrical system for use with Arriflex 35 2C GS sync-pulse / automatic clap-stick system.

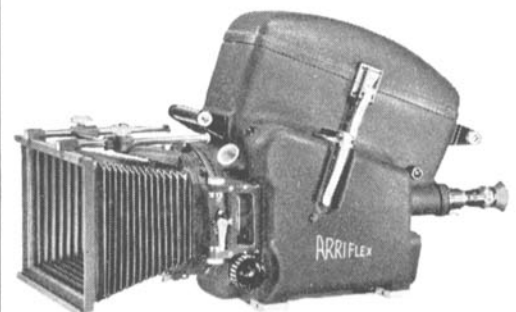


Write Dept. SM
for literature

Illustration shows easy accessibility to interior of 120S Blimp: through a large hinged door on left side; a hinged upper section and a removable hinged front window.



MODEL 1000 ARRI 35 SOUND BLIMP



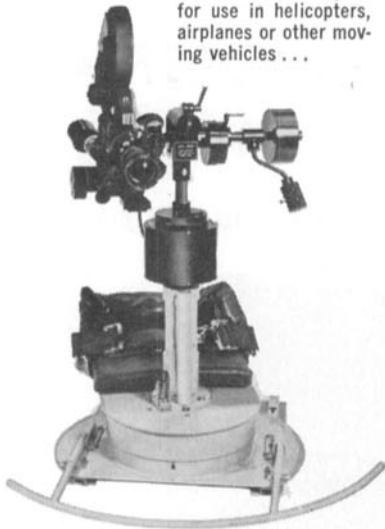
BASIC MODEL 400 ARRI 35 SOUND BLIMP

ARRIFLEX CORPORATION OF AMERICA

25-20 BROOKLYN-QUEENS EXPRESSWAY WEST
WOODSIDE, NEW YORK 11377

AERO-VISION

... a new anti-vibration mount designed for use in helicopters, airplanes or other moving vehicles ...



Available immediately for sale or rent.
Call or write for brochure

F & B/CECO

MAIN OFFICE:
315 West 43rd St., New York, N. Y. 10036
Phone (212) JU 6-1420—Cable CINEQUIP
Telex 1-25497

Branches in: Hialeah, Fla./Washington,
D.C./Atlanta/New Orleans/Cleveland

NEW! PROFESSIONAL MAKE-UP KIT

Specially Prepared For
COLOR MOTION PICTURE & STILL PHOTOGRAPHY

By The
RESEARCH
COUNCIL OF
MAKE-UP
ARTISTS,
INC.



\$75.00
Complete with Case & Instructions.

Complete New Color Process kit contains over 65 items of foundation bases, eye color, lip color, mascara, lotions, brushes, puffs, etc., plus attractive carrying case and step by step instructions. Includes all make-up required for Ektachrome ECO 7255, EMF 7256, EF 7257 and EF 7258, color negative 5251 and Ansco 242 film stocks. Also ideally suited for color television and theatrical make-up applications.

For free brochure listing over 250 individually priced items and SMPTE technical paper reprint, write or call Exclusive U.S. Distributor:

F & B/CECO

(212) JU 6-1420 Telex: 1-25497

Branches in: Hialeah, Fla./Washington,
D.C./Atlanta/New Orleans/Cleveland

An Introduction To Rocketry (2d ed.) by V. I. Feodos'yev and G. B. Sinyarev, 579-page monograph published in Moscow in 1960 has been translated by the U.S. Air Force's Foreign Technology Division. The book requires of the reader a knowledge of general physics, chemistry and the beginnings of higher mathematics but does not require special courses in aerodynamics and thermodynamics for comprehension. The monograph is available from Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151 (Order No. AD-636 616) It is priced at \$8.80 (microfiche \$2.50).

Where 2500 Megacycle TV Fits in School Programs, by Philip Lewis, an article in the August 1966 issue of *Nation's Schools*, has been reprinted by and is available from Micro-Link Systems, Varian Associates, Akron St., Copiague, N.Y. 11726. The article explains briefly the nature and purposes of the 31 channels in the 2500-2690-MHz range which are limited to non-commercial educational broadcasting.

Feature Films on 16, a 100-page combined catalog listing 6,000 theatrical feature films available in 16mm, was compiled and edited by James L. Limbacher and published by Continental 16, a division of Walter Reade-Sterling. It is available from Educational Film Library Association (EFLA), 250 W. 57 St., New York, N.Y. 10019, at a price of \$5.00 (less 10% discount for EFLA members). The catalog gives basic information on each film including title, running time, date of release and country where it was released, major members of the cast and other special information, including where a print can be rented.

Three industrial film kits are illustrated and described in a brochure available from Motion Picture & Television Div., Berkey Technical Corp., 1015 Chestnut St., Burbank, Calif. 91502. The Industrial Film Quartz Lighting Kit includes two Super-80 lights, four Multi-Beam 1000s, two Cine Queens, four Senior Stands with casters and four without casters, and two gaffer grips. The kit weighs 130 lb. The Industrial Film Accessory Kit contains 22 accessories and weighs 33 lb. The Industrial Film Cable Kit contains cables for various requirements.

Equipments manufactured by Universal Audio Products are listed in a 4-page short-form catalog (Bulletin SE-07) available from Studio Electronics Corp., 11922 Valerio St., North Hollywood, Calif. Listed are such items as amplifiers, filters, equalizers, power supplies, meters, hybrid networks and fixed pads. The company also supplies such items as a digital metronome for scoring motion-picture films and a compact reverberation unit that simulates the effect of an acoustical echo chamber.

The D. B. Milliken Co.'s 4-page illustrated catalog and three data sheets provide detailed descriptions and illustrations of the M-81 Automatic Exposure Control, M-49

Instrument Positioning Tripod and TK-67 Tool Kit. These are available from D. B. Milliken Co., 131 N. Fifth Ave., Arcadia, Calif. 91006. The catalog also contains brief descriptions of the firm's high-speed photoinstrumentation equipments and accessories.

The new PEK M914, M915 and M916 forced-air cooled lamp housings are described and illustrated in a 2-page data sheet available from PEK Labs Inc., 825 E. Evelyn Ave., Sunnyvale, Calif. It includes an outline drawing of the lamphouse showing dimensions and location of components, controls and options. A transmission chart shows performance of the unit with and without the optional ultraviolet filter. Also available is a 6-page color Product Reference Guide covering the company's line of lamps, power supplies and related equipments.

Marconi self-tuning high-frequency communications systems are described in an 8-page illustrated booklet available from Marconi Company Ltd., Radio Communications Div., Chelmsford, Essex, England. Equipments illustrated and described include transmitters, receivers frequency synthesizers, modulator units, wideband matching transformers and comprehensive control, and others.

The Ampex VR-2000 high band color video-tape recorder for broadcast use is described and illustrated in data sheet V-016 available from Ampex Corp., 401 Broadway, Redwood City, Calif. 94063. The machine is said to be fully compatible with all low-band machines using the transverse-scan, four-head technique.

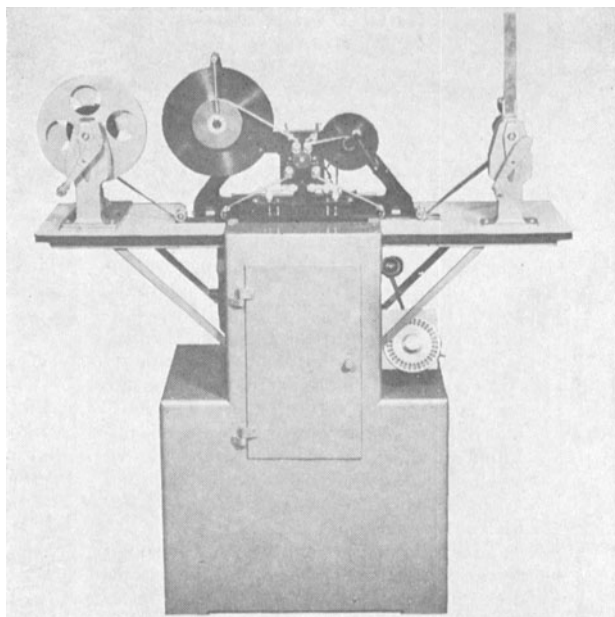
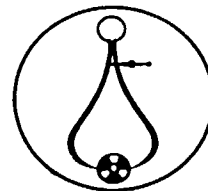
Also available from Ampex is Brochure No. A063 which contains descriptions and illustrations of the AG-300 solid state master recorder and its components.

Photo-Sonics 35mm-4E Recording Camera is the subject of a 14-page brochure. It contains a detailed technical description of the 35mm-4E recording camera and is available from Photo-Sonics, Inc., 820 South Mariposa St., Burbank, Calif. The camera is a 35mm intermittent, pin-registered camera designed to operate at infinitely variable frame rates from 25 to 360 frames/s.

Catalog AL-1353, entitled "1967 Altec Playback Stereo Components & Systems," is available from Mr. Glenn W. Malme, Advertising Manager, Altec Lansing, 1515 S. Manchester Ave., Anaheim, Calif. 92803. The illustrated catalog lists speaker systems, components, equipment cabinets, microphones and microphone accessories.

Acousta/Glaze hermetically-sealed windows for sound control are described in a 4-page illustrated brochure available from Sitalines, Inc., 1957 Long Beach Ave., Los Angeles, Calif. 90011. Available in windows or window wall systems, Acousta/Glaze is said to provide sound control ranging from STC 40 to STC 60 by varying glass thickness and air space. The design incorporates a peripheral self-adjusting sound seal.

HFC COLOR SCENE TESTER



FEATURES

1. The exposure of the negative being tested is always precisely controlled. This is accomplished by use of the Xenon flashtube whose light output is directly proportional to the electrical energy supplied to it.
2. A 16 frame exposure gate permits a range of 6 different exposures with the standard color pack combination and 10 frames with a range intensity and hue differences.
3. The platen, color positive raw stock and guides are moved down to the negative in the exposure gate by a pneumatic cylinder thereby eliminating physical labor.
4. When the positive film and the platen contact the negative in the flat gate, there is no shifting of the negative position and contact is firm.
5. After each exposure the positive film is advanced by a time controlled motor. The time control is adjustable therefore spacing between exposed strips can be changed.
6. Each frame of the exposure gate is provided with guides so that proper filter combinations can be inserted without difficulty.
7. The basic color pack which has to be adjusted for emulsion changes, is easily accessible through an opening at the front of the machine.
8. To meet conditions of developer modifications and emulsion changes, the overall light output is adjusted by a 30 point switch. This switch controls the energy supplied to the lamp by changing the amount of capacitance across the lamp, this direct control of energy input to the lamp, by discrete amounts of capacitance, with the voltage held constant, provides excellent, simple, control procedure.
9. The power supply has been conservatively designed so that when the unit is connected to a regulated A.C. supply, the light output at a given capacitance setting is accurately reproduced.
10. A characteristic of the Xenon flashtube is that the color quality of the light is not changed during the life of the tube.
11. The basic Xenon flashtube with its electrical circuitry is inherently simple and dependable.
12. The power supply has been designed to allow rapid charging of the capacitor bank so that no time is lost between successive exposure of strips.
13. The negative film is guided over the flat exposure gates on rails which are spring loaded to float above the engraved glass in the exposure gate, thus eliminating possible negative scratches. Firm negative/positive contact at time of exposure is accomplished by the spring loaded platen.
14. In this tester there are no meters, no shutters, no optics, no motors and no moving parts between the light source and the negative positive plane.

FOR FURTHER INFORMATION WRITE TO:

HOLLYWOOD FILM COMPANY

956 SEWARD STREET • HOLLYWOOD, CALIF. 90038

(213) 462-3284

CHICAGO • NEW YORK

MACKENZIE EQUIPMENT COMPANY

2 HOMEWOOD AVE. • TORONTO 5, ONTARIO, CANADA