



SPECTRA Brightness Spot Meter



- Checks uniformity of blue backing for matte shots directly from camera position
- Checks brightness of selected areas on set to determine brightness range
- Checks color temperature of light sources to maintain uniform color quality
- Shows footcandle output of individual light units without interference from other sources
- Measures uniformity of illumination and discoloration of projection screens for any distance or angle
- Maintains standard brightness and COLOR TEMPERATURE of printer lights

PHOTO RESEARCH CORP.

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or organizations to whom to write for further information. Copies are available for \$1.00 in the United States and \$1.25 elsewhere, from Frank Neusbaum, 112 West College Ave., University Park, Pa.

Artificial-Light Photography by Ansel Adams is published by Morgan & Morgan, Inc., 101 Park Ave., New York 17, and is priced at \$3.75. The 128-page book covers eight main sections and contains 55 illustrations. It is fifth in a series by Mr. Adams called the Basic Photo series. Each book explores some aspect of still photography. Titles of earlier books in the series are: *Camera & Lens*; *The Negative*; *The Print*; and *Natural Light Photography*.

The American Society for Engineering Education is conducting a study that has a long-range goal of increasing the number of engineering teachers and raising teaching standards. The survey will cover engineering teachers and the faculties of engineering colleges with the purpose of developing information with which to measure quantitatively the need for new engineering teachers. The survey is also expected to make it possible to identify and study the problems of meeting this need and to initiate and encourage activities to increase the supply and quality of engineering teachers. Headquarters of the Society are at the University of Illinois, Urbana, Ill., W. Leighton Collins, Secretary.

current literature



The Editors present for convenient reference a list of articles dealing with subjects cognate to motion-picture engineering published in a number of selected journals. Photostatic or microfilm copies of articles in magazines that are available may be obtained from The Library of Congress, Washington, D.C., or from the New York Public Library, New York, N.Y., at prevailing rates.

American Cinematographer vol. 38, Feb. 1957
Natural Source Set Lighting (p. 86) *C. Loring*
Zoom Effects in Animation (p. 88) *J. Hoke*
Cinemiracle (p. 94) *J. Henry*

vol. 38, Mar. 1957
"Night Passage"—First in New Technirama Large-Screen System (p. 148) *A. Rouan*
Filming "Championship Bowling" for Television (p. 150) *S. C. Goltz*
Tele-Cam—Newest of Video-Film Camera Systems (p. 152) *J. Forbes*
Location Filming "Down Under" (p. 160) *P. Beeson*

British Kinematography vol. 30, Jan. 1957
The Projectomatic System (p. 3) *T. Robinson*
vol. 30, Feb. 1957
A Magnetic Tape Recording System for Colour Television Signals (p. 31) *H. R. L. Lamont*
An Approach to Wide-Angle Motion Picture Photography (p. 43) *R. L. Hout*

Electronics vol. 30, Mar. 1957
Monochrome Slides Broadcast Color (p. 169)
E. L. Covington

International Photographer vol. 29, Mar. 1957
Film for Color Kinescope Recording (p. 5)
R. G. Hufford

International Projectionist vol. 32, Feb. 1957
Screen Illumination: Some Pertinent Facts (p. 10)
A. J. Hatch
The Historical Controversy of Molteni's Choreoscope (p. 22) *J. Card*
The Faster Pulldown Geneva Movements (p. 26)
J. M. Ruiz

vol. 32, Mar. 1957
The Important Optical Train (p. 7) *R. A. Mitchell*
New Italian Projector for Widescreen Presentation (p. 12) *R. G. Fedi*
A Defense of Magnetic Reproduction (p. 22)
J. G. Frayne

Kino-Technik vol. 11, Jan. 1957
Modernste Atelier Technik in Hamburg: die Studioanlagen der Real-Film GmbH (p. 4)
Feinmechanische Präzision beim Bau von Atelierkameras (p. 7)
Ein Neuartiger Doppelscheinwerfer für das Filmatelier (p. 9) *Neitzel*
Augenschäden durch elektromagnetische Strahlung (p. 10) *H. Schober*
Die Schärfe bei Breitbildprojektion mit Sicherheitsfilm (p. 14) *A. Jotzoff*
Projektion von Werbedias auf breitem Bildschirm (p. 17) *H. Tümmel*
B 11—ein Neuer Bauer-Projektor für Kleinere Theater (p. 19)
Kinematische Eigenschaften des Malteserkreuzgetriebes (p. 20) *R. Böhme*
Aus der Geschichte der Kinematographie (p. 22)
H. Tümmel

Motion Picture Herald (Better Theatres Section) vol. 206, Mar. 30, 1957
Proper Projection and Anamorphic Lens Combination (p. 24) *G. Gagliardi*

Philips Technical Review vol. 18, Dec. 1956
A Flying-Spot Scanner for Televising 35mm Film (p. 193) *F. H. J. van der Poel*

SMPTE Test Films

Test films planned by the Society's technical committees and produced under the Society's exact supervision are available from the headquarters office at 55 West 42 St., New York 36. Catalogs containing brief descriptions of each film are obtainable on request.

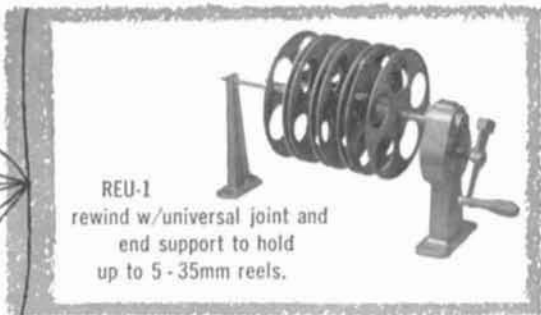
These films are used by manufacturers for testing the performance of new equipment, by television station technicians for lining up and adjusting film pickup systems, by maintenance men for "in service" maintenance of projectors and sound equipment, and by dealers for testing and demonstrating equipment.

The complete line of films is as follows:

Television—Picture Only
35mm Television Test Film, including Alignment and Resolution Section
16mm Television Test Film, including Alignment and Resolution Section
35mm Color Television Test Film
16mm Color Television Test Film
Color Television Test Slides 2 × 2 in.
35mm Television Leader
16mm Television Leader



REWINDS and ACCESSORIES



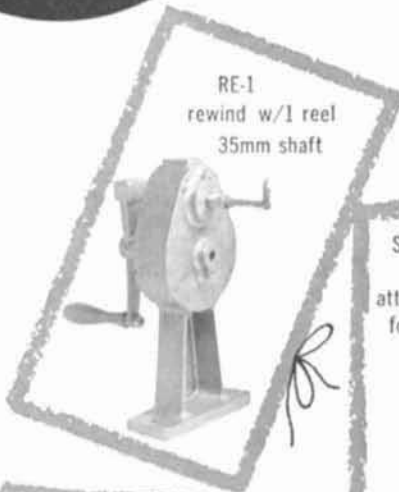
REU-1
rewind w/universal joint and
end support to hold
up to 5-35mm reels.



REF-1
friction control
rewind w/1 reel
shaft 35mm.



RETWC-1
rewind
w/16-35mm
combination
tightwind



RE-1
rewind w/1 reel
35mm shaft



SB-1
swivel base
attachment
for rewind



SP-16 (16mm) spacer
SP-35 (35mm) spacer

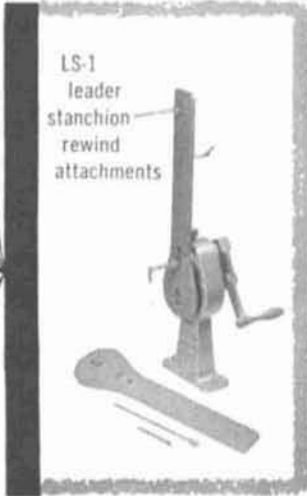
IMMEDIATE
DELIVERY
FROM STOCK...
AT BETTER
DEALERS
EVERYWHERE



ASC-35
35mm aluminum shaft
male or female cores
ASC-16 (16mm)



SL-1
spring locks



LS-1
leader
stanchion
rewind
attachments

precision film editing equipment/reels, cans and shipping cases
HOLLYWOOD FILM COMPANY
 956 N. Seward Street, Hollywood 38, California/Hollywood 2-3284
 branch office:
 HOLLYWOOD FILM COMPANY
 630 Ninth Avenue, New York, New York/Circle 6-9309

CinemaScope

- Level Balance Test Film
- Multifrequency Test Reel
- Loudspeaker Balance Reel
- Stereophonic Test Reel
- Flutter Test Film
- Loudspeaker Phasing Test Film
- Constant Level Test Film
- Channel-Four Test Film
- Projector Alignment Chart
- Projector Alignment Chart (Optical Track) Standard Sprocket Holes

- Visual 35mm — Picture Only
- Focus-and-Alignment Section
- Travel-Ghost Target Section
- Jump-and-Weave Target Section

- Magnetic — 16mm Sound Only
- Azimuth Alignment Test Film
- Multifrequency Test Film
- 400-Cycle Signal-Level Test Film
- 300-Cycle Flutter Test Film

- Picture and Sound — 16mm
- 3000-Cycle Flutter Test Film
- Multifrequency Test Film
- Scanning-Beam Illumination Test Film
- Buzz-Track Test Film
- Sound-Focusing Test Film
- 400-Cycle Signal-Level Test Film

- Picture Only — 16mm
- Registration Test Film
- Travel-Ghost Test Film

- Glass Slide — 16mm
- Projector Lens Resolution Target



new products (and developments)

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Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

New Photographic Process

Kalvar, a new process which works by photographic production of light-scattering centers in its surface structure rather than light-absorbing grains as in conventional systems, eliminates all chemicals and hastens the drying time normally required for development, fixation and washing and drying. The process has been developed by Kalvar Corporation, 909 South Broad Street, New Orleans, La. Shelf-life in storage and image permanence are reported superior to conventional photo-

graphic materials. Sensitivity may be measured to permit handling of film and paper in daylight, an important advantage in copying applications. Of great importance is the fact that these films and papers are not sensitive to ionizing radiation. In the event of atomic attack or bomb test fall-out, this photographic system could operate.

Basic elements of the process are Kalvar photographic films and papers which, like conventional processes, have either wide gray scale and tonal range for continuous tone pictures, or high contrast for line-copy or half-tone pictures.

In all photographic applications where high light sensitivity is not prerequisite, Kalvar photographic materials may be used. Outstanding Kalvar applications include copies of original photographs made by conventional processes, microfilm copies, copies of kinescope and motion-picture film, original microfilm records, photographic enlargements, originals and copies of oscillograph records and as the film intermediate between original copy and photo-engravings of lithographic printing plates.

The unique nature of the process requires specialized equipment, much of it now reported as available. This equipment includes microfilm enlargers, microfilm cameras, roll-to-roll printers for microfilm, motion-picture and kinescope film, engineering drawing printers, and devices to copy Navy and Air Force aerial reconnaissance photographs.

In studio lighting and production equipment . . .

*YOU GET WHAT YOU NEED from J. G. McALISTER

Whenever you light a set or dolly a camera with McAlister equipment, your job is easier and the final result superior because of specialists like yourself. Your ideas have been "built-in" to McAlister equipment by our engineers. That is why McAlister equipment is more than a piece of metal—rather a part of you. Talk to a McAlister dealer, and compare the McAlister line with any other. We believe McAlister equipment has no equal anywhere.

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*ELECTRICIAN

"I need a safe stage plug that's easy to service. Also a socket that won't arc and lets me change globes quickly."



Safest, most reliable fused stage plug. Patented. Floating contacts, smooth connection, jiffy assembly make it the electrician's "pet."



New socket extends globe life. Patented, toggle-operated, spring-loaded socket prevents arcing, grips firm, cuts globe costs.

*GAFFER

"What I need are barndoors that stay put and C Clamps that really grip a pipe."



Revolutionary barndoors freeze in position at flip of a finger. Exclusive design gives fool-proof performance.



"C" clamp with built-in "life-insurance." Only McAlister "C" clamps hook and hug every pipe... the only clamp with the extra piece for "peace of mind"