

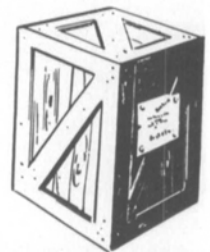
which is conveniently arranged.—*E. M. Pittaro*, Consultant, 137-65 70 Ave., Flushing 67, N.Y.

Leica Manual and Data Book

By Willard D. Morgan and Henry M. Lester. Published (1955) by Morgan & Lester, 101 Park Ave., New York 17. 456 pp. incl. illustrations, graphs and tables. 5½ × 8¼ in. Price \$6.00.

Now in its thirteenth edition and twentieth year of publication, this perennial classic continues to hold its reputation as the outstanding work in its limited field. Its audience is the Leica camera owner, and to this audience it presents a detailed factual

account of the camera and its proprietary equipment. The present edition has been extensively revised and rewritten. It includes exposure and filter data for such recent film stocks as Adox, Anscochrome and the new Ektachrome. Tables and formulas from many separate sources are now conveniently grouped together in a 57-page appendix. Previous conflicts in statements of flash exposure figures have apparently been resolved by the editors, and the tables which they now present are warranted to be reliable. The editors have performed well and faithfully their task of presenting an informative volume, undiluted by inspirational copy.—*Bernard D. Plakun*, General Precision Laboratory Inc., Pleasantville, N.Y.

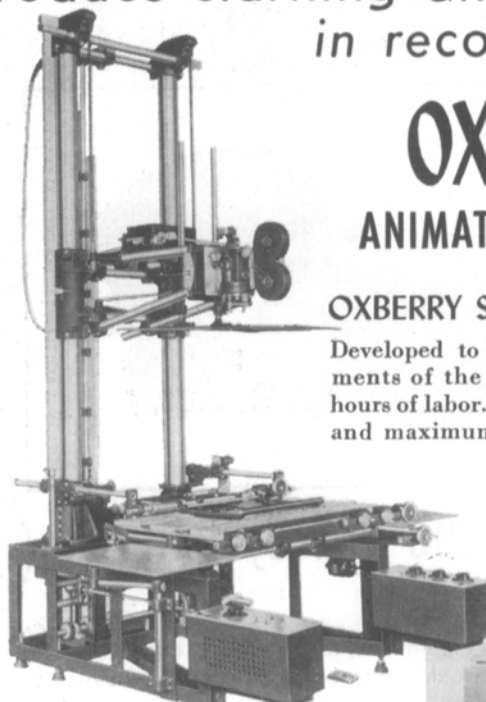


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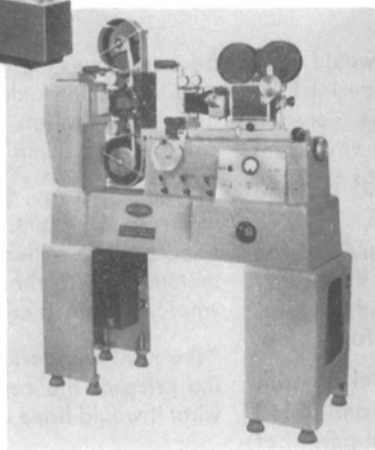
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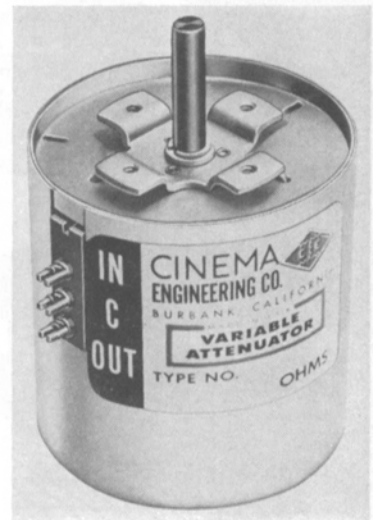
proper interconnection of all the circuits involved.

To reproduce the music, dialog and sound effects tracks associated with the re-recording operation, Westrex furnished twelve RA-1551 Type 6-Track Stereophonic Reproducing Machines and two RA-1547 6-Track Stereophonic Recording Machines. For monitoring the re-recording operation Westrex supplied five special

horn systems for use behind the screen and two sets of surround speakers, with six special amplifier systems, each rated at 50 w. Associated with the dubbing monitor reproducing equipment are six special projection-type volume indicators and a projection-type footage counter.

The Westrex Editor was modified to accommodate two 35mm magnetic films each containing six stereophonic sound-

tracks in association with the Todd-AO 70-mm picture film. The stereophonic sound conversions including the auxiliary six-track stereophonic reproducer were provided by Westrex.



A new manufacturers' type audio attenuator has gone into production at the Burbank, Calif., plant of Cinema Engineering Co., a division of Aerovox Corp. For use in sound mixing, special measuring and calibration units, the attenuator features Cinema self-wiping contacts of nickel, silver, carbon composition and wire-wound resistors. Available in 150, 250 and 600 ohms, the resistance element values are standard 5% accuracy. Audio ladder controls have a 6-db inherent insertion loss. All other network types of mixer controls have zero loss. Other rotary tap units are available in potentiometer, T, ladder attenuator networks. Controls are capable of handling levels as high as +30 dbm. The attenuator comes without knob and dial, but they are available as accessory items. Shipping weight is 8 to 12 oz per section.



Together with the latest developments in motion pictures and photography featured in Disneyland, Walt Disney's 160-acre park, the early days of photography have been revived in a gay-nineties, old-fashioned portrait studio and camera



shop, created by Eastman Kodak on the "Main Street" entrance to the park. The professional photographer's studio is an exact replica of a studio of the nineties with a photographer and model posed with her head in the metal headrest typical of that

period. All the cameras and equipment will be exact replicas of those used during that period. The historical exhibit shows the development of stereo photography, old-time "detective" cameras, and a Kinetoscope, forerunner of the movies.

Eastman Kodak Company has obtained rights from Gasparcolor, Inc., to use the inventions of patents 2,344,084 and 2,312,543, according to an announcement by Dr. Bela Gaspar, President of Gasparcolor. These patents deal with the arrangement and color sensitivity of emulsion layers in a multilayer, multicolor photographic film.

According to patent 2,344,084 silver chloride emulsions insensitive to blue light (except for the short wave blue violet which is screened out) can be used for the two upper layers of a multicolor film and the lower layer can be an ordinary silver halide emulsion which is inherently blue sensitive. This permits the uppermost layer to be sensitized to green and the second layer to be sensitized to red so that the images which are subsequently converted to magenta and cyan, respectively, are recorded in the front of the film and consequently with greater sharpness. Thus the major role which these darker color images play in the overall definition of the final color print is more fully utilized. The arrangement also permits the elimination of a filter layer normally required to be used behind an ordinary blue sensitive silver halide layer when it is the uppermost layer of the film.

Patent 2,312,543 has to do also with the arrangement of color sensitive layers in which the relative speeds of overlying and underlying layers are utilized to obtain an advantage similar to that indicated above for the silver chloride emulsion patent.

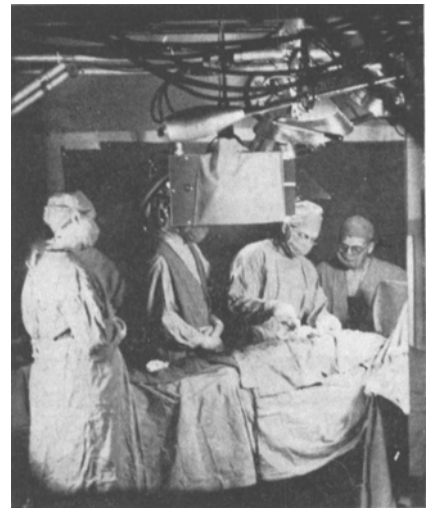
Dr. Gaspar has announced that the rights granted are nonexclusive in character

and that Gasparcolor, Inc., stands ready to license, on reasonable terms, other film manufacturers who may want to use the invention of either or both of these patents.

A new color television camera designed specifically for medical use has been developed by the Radio Corporation of America and first publicly demonstrated in Philadelphia at the Veterans Administration Hospital. The camera which is compact and flexible in design is mounted directly above the operating table. It picks up and transmits the scene to a mobile color TV unit outside the hospital and then by radio relay to a 15 X 20 ft theater-size television screen or to a standard 21-in. color set.

Speaking to the group in Philadelphia was Dr. Alfred N. Goldsmith, New York TV and electronics consultant. He envisioned a "Super Clinic" of hospitals throughout the country joined together by television conventions and pooling knowledge and techniques. Medical research and experiments can be carried on by using the compatible color camera with a light microscope, for color transmission of microscopic studies.

The new RCA color camera is compact and approximates the weight and size of standard black-and-white studio TV cameras. Reduction in size is achieved by using three vidicon pickup tubes similar to those used in industrial television systems. Light from the televised scene is divided into the three separate colors by a system of dichroic mirrors. Each vidicon tube has its own lens,



and the camera can be focussed remotely by a small reversible motor.

In addition to the vidicon camera the RCA compatible color system contains packaged units for camera control, monitoring, sync generation and regulated power supply. The system also includes a colorplexer and an r-f system to feed signals into standard home color receivers without alteration. The entire equipment weighs about 300 lb.

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