



A new, collapsible, three-wheel dolly, has been designed for easy transport to field and location jobs, measures 45 X 46 in. assembled and 18 X 12 X 36 in. to fit into the carrying case. It is equipped with rear wheel for steering, or for locking into position for straight dollying. It mounts a baby tripod and provides for both the cameraman and his assistant to ride. It is available at \$300, with \$30 additional for the carrying case, from Camera Equipment Co. 1600 Broadway, New York 19.



A new version of the Lawrence Color TV Tube is shown by Prof. Ernest O. Lawrence. It is reported that the Chromatron PDF 21-3 incorporates the latest design developments, including a radiation-suppressed Chromapac (the color grid structure at the front of the tube), that the tube gives a true rectangular picture of 14½ X 11 in. and that the same envelope will accommodate a picture size of 210 sq in. The rectangular shape of the tube is reported to allow a cabinet as much as 20% smaller than would be the case with a round tube. The tube is 25 in. long.

The Lawrence tube is a single-gun, post-deflection focusing tube. Samples are being supplied to set and tube manufacturers. Chromatic officials have forecast that mass production will permit an eventual price below \$100. Besides its West Coast Development Laboratory at Oakland, Calif., and its manufacturing plant at Emeryville, Calif., Chromatic Laboratories, Inc., has a laboratory in the Paramount Bldg., 1501 Broadway, New York 36, from which is available a reference booklet covering the designs and possibilities of the tube.

A development and licensing organization, Chromatic Television Laboratories is jointly owned by Paramount Pictures Corp. and Gaither and Company which is a partnership of Prof. Lawrence and H. Rowan Gaither, Jr., San Francisco.

Kodak Photographic Materials and Light Filters for the Laboratory is a new catalog available from the Industrial Photographic Div., Eastman Kodak Co., Rochester 4, N.Y. The catalog is divided into categories of materials for: (1) general photography and photomicrography, (2) specialized recording of radiation, (3) general spectrochemistry, (4) deep ultraviolet, (5) infrared, (6) autoradiography and nuclear particle tracks, (7) electron imagery, (8) finest image detail, (9) modifying spectral distribution, (10) attenuating light and (11) other photographic techniques.

Still Photography Standards

BELOW ARE LISTED the numbers and titles of recently approved American Standards in the field of still photography. Additional listings of such standards will be published in the *Journal* from time to time, as they are made available, as



4-Track Magnetic Test Films



Nine Different 35 mm Types
Now Available For:

CinemaScope-equipped
Theaters and Theater
Service Engineers

			Code
1. Level Balance Film	1000-cycle, 4-track	50 ft.	(SL-1)
2. Multifrequency Reel	40 to 12,000 cycles, 4-track	425 ft.*	(MF-1)
3. Loudspeaker Balance Reel	Identical speech and music on four tracks progressively in this order—2,1,3,4	300 ft.*	(LB-1)
4. Stereophonic Reel	Picture with stereo sound and 12,000-cycle control signal on track four	330 ft.*	(ST-1)
5. Flutter Film	3000-cycle, 4-track	50 ft.	(FL-1)
6. Loudspeaker Phasing Film	Signal of uniform level, 400-cycle or 500-cycle frequency-warbled simultaneously on tracks 1, 2, and 3, at a 5-cycle rate (specify cross-over frequency desired)	50 ft.	(LP-1)
7. Constant Level Film	8000-cycle, 4-track to check azimuth	50 ft.	(AZ-1)
8. Channel-Four Film	12,000/1000 cycle	50 ft.	(CH-4)
9. Projector Alignment Chart	Picture Only	100 ft.	(PR-1)

*These lengths approximate.

BASIC SET consists of types 1, 2, 7 and 9. This group is a "must" for every theater service engineer.

CATALOG FROM:
Society of Motion Picture and Television Engineers

55 West 42d Street,

New York 36, N. Y.



a service to those readers who maintain an active interest in still as well as motion-picture photography. Previous enumerations of PH4 appeared in the July 1953 *Journal*, p. 82, and in the January 1954 *Journal*, p. 91.

Photographic Films, Plates and Papers, PH1

Dimensions for Molded-Type Cores for Photographic Film and Paper Rolls, PH1.13-1953 (Rev. of Z38.1.48-1947)
 Dimensions for 35-Millimeter Film Magazines for Still Picture Cameras, PH1.14-1953 (Rev. of Z38.1.47-1946)
 Dimensions for Industrial X-ray Sheet Film (Inch Sizes), PH1.15-1953 (Rev. of Z38.1.25-1947)
 Dimensions for Graphic Arts Sheet Film (Inch Sizes), PH1.16-1953 (Rev. of Z38.1.26-1947)
 Dimensions for Medical X-ray Sheet Film (Inch and Centimeter Sizes), PH1.17-1953 (Rev. of Z38.1.27-1947)

Dimensions for Professional Portrait and Commercial Sheet Film (Inch Sizes), PH1.18-1953 (Rev. of Z38.1.28-1947)

Photographic Processing, PH4

Temperature for Photographic Processing Solutions, PH4.5-1953 (Rev. of Z38.8.1-1944)
 Method for Converting Weights and Measures for Photographic Use, PH4.6-1953 (Rev. of Z38.8.2-1945)
 Method for Determining the Thiosulfate Content of Processed Photographic Film, PH4.8-1953
 Specification for Photographic Grade Sodium Thiosulfate, Anhydrous, (Anhydrous Hypo), PH4.250-1953 (Rev. of Z38.8.250-1949)
 Specification for Photographic Grade Sodium Thiosulfate, Crystalline (Crystal Hypo), PH4.251-1953 (Rev. of Z38.8.251-1949)
 Specification for Photographic Grade Ammonium Thiosulfate, 60-Percent Solution (Ammonium Hypo Solution), PH4.252-1953
 Specification for Photographic Grade Ammonium Thiosulfate, (Ammonium Hypo), PH4.253-1953

Employment Service

These notices are published for the service of the membership and the field. They are inserted for three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Motion-Picture Television Technician: 10 yr intensive skill and know-how related to 16-35mm cinematography, animation, recording (optical, tape, disk), editing, laboratory processing practice (black-and-white, color); also kinescope recording techniques; self-reliant; inventive; relocate if required; write: CMC, c/o Penning, 435 E. 74th St., New York 21, N.Y.

Motion-Picture Cameraman, Film Editor: 15 yrs experience all phases of motion-picture work, including research; 3 yrs TV film operations. Developer of Panoramascope wide-screen motion-picture system. Active Member of SMPTE. Desires position with industrial or educational film producer as first cameraman or film editor. Wire: Frank E. Sherry, Jr., 207 West Rusk St., Tyler, Tex.

Photographic Engineer: M.A.; age, 28. Desires challenging, responsible position where technical knowledge and ingenuity will be fully utilized; 8 yrs diversified experience pertaining to the photographic process, with particular emphasis on photographic instrumentation for data recording. Background includes a thorough working knowledge of electronics, the graphic arts, color, machine-shop practice, high-speed photography, etc. Presently engaged as a senior member of a well-known industrial research organization where all kinds of photographic techniques are used as research and service tools. Willing to relocate. Write: P.O. Box 259, New York 36.

Cameraman and special effects producer: For news, educational or advertising films; technical and musical education; camera and 35mm film strip and color development experience. Write: Vitold Bredshnyder, 812 N. Monroe St., Monroe, Mich.

Positions Available

16mm Printers, Color Timer, Negative Conformer: Permanent positions for qualified, experienced personnel. Company benefits. Send complete information and small photograph to Byron, Inc., 1226 Wisconsin Ave., Washington 7, D.C.

Photographer (Motion-Picture Animation), GS-9: Require 5 yr experience in photography, 4 yr of it as animation photographer in production of cel animation work in motion-picture production. Also included must be at least 1 yr in technical animation photography. \$5060/yr. Obtain Form SF 57 at any first class Post Office or Government Agency; forward or deliver completed to Civilian Personnel Div., Signal Corps Pictorial Center, 35-11 35 Ave., Long Island City, N.Y.

Chicago Film Studio needs man to take charge stop-motion and animation dept. Must be experienced, able to direct title and animation cameramen. Write giving experience and salary desired. Filmack Corp., 1327 S. Wabash Ave., Chicago 5, Ill.

Permanent Employment: Open for mechanical engineers or physicists with at least 1 yr optics experience. Knowledge of camera mechanism, auxiliary timing apparatus and control equipment, precision camera mounts, photography and a general overall knowledge of fundamental optics highly desirable. Positions are located near Cocoa, Fla., at RCA Missile Test Project. Send completed résumés or requests for applications to Harold D. Storz, Employment Sec., RCA Service Co., Box 11, O M U, Patrick AFB, Fla.

Alerting:

Film Libraries

**SUMMERTIME IS THE RIGHT TIME
 for PEERLESS TO PUT YOUR PRINTS
 IN CONDITION FOR FALL USE**

Every summer, film libraries all over the country entrust their prints to us for **PEERLESS-SERVICING** which includes:

- ✓ Inspection ✓ Scratch Removal ✓ Replacements
- ✓ Repairs ✓ Cleaning ✓ Rehumidification
- ✓ "Peerless Treatment" to resist future damage

Cleaned up and rejuvenated — back the prints go to you, ready for hard use again in the fall.

Cost? Surprisingly low . . . Write for price list!

PEERLESS

FILM PROCESSING CORPORATION
 165 WEST 46th STREET, NEW YORK 36, N. Y.
 959 SEWARD STREET, HOLLYWOOD 38, CALIF.